abcam

ab325712

Anti-FcRgamma antibody [EPR30963-69]

Recombinant | RabMAb | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR30963-69
Purification technique	Affinity purification Protein A
Concentration	0.499 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Human
Dilution info	1/30
Notes	-

Species	Mouse

Dilution info	1/30
Notes	-

Species	Rat
Dilution info	1/30
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/5000
Notes	-

Species	Mouse
Dilution info	1/5000
Notes	-

Species	Rat
Dilution info	1/5000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/50
Notes	-

Species	Mouse
Dilution info	1/50
Notes	-

Species	Rat
Dilution info	1/50

Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/500
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Mouse
Dilution info	1/500
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Rat
Dilution info	1/500
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Target data

See full target information FCER1G

Function	Adapter protein containing an immunoreceptor tyrosine-based activation motif (ITAM) that transduces activation signals from various immunoreceptors. As a component of the high-affinity immunoglobulin E (IgE) receptor, mediates allergic inflammatory signaling in mast cells. As a constitutive component of interleukin-3 receptor complex, selectively mediates interleukin 4/IL4 production by basophils, priming T-cells toward effector T-helper 2 subset. Associates with pattern recognition receptors CLEC4D and CLEC4E to form a functional signaling complex in myeloid cells. Binding of mycobacterial trehalose 6,6'-dimycolate (TDM) to this receptor complex leads to phosphorylation of ITAM, triggering activation of SYK, CARD9 and NF-kappa-B, consequently driving maturation of antigen-presenting cells and shaping antigen-specific priming of T-cells toward effector T-helper 1 and T-helper 17 cell subtypes. May function cooperatively with other activating receptors. Functionally linked to integrin beta-2/ITGB2-mediated neutrophil activation. Also involved in integrin alpha-2/ITGA2-mediated platelet activation.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For

details on our patents, please refer to RabMAb® patents.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

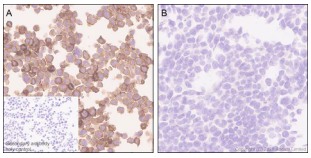
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

24 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded (A) THP-1 (human monocytic leukemia monocyte) cell pellet (B) 293T (human embryonic kidney epithelial cell) cell pellet tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

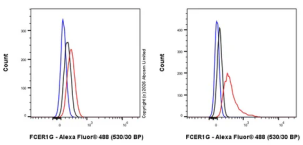
Positive staining on (A) THP-1 (human monocytic leukemia monocyte) cell pellet, no staining on (B) 293T (human embryonic kidney epithelial cell) cell pellet. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



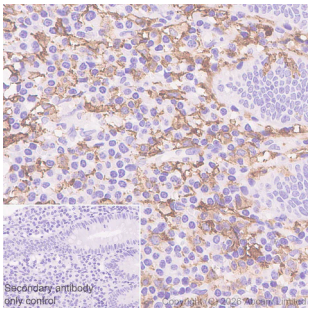
Flow Cytometry (Intracellular) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Flow Cytometry (Intracellular) staining using rabbit Anti-FcRgamma antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized 293T (human embryonic kidney epithelial cell, Left) THP-1 (human monocytic leukemia monocyte, Right) cells labelling with ab325712 at 1/5000 dilution (0.01ug) / Red compared with a Rabbit monoclonal IgG (ab172730) / Black isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor®488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Negative control: 293T.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human epityphlon using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Human epityphlon tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

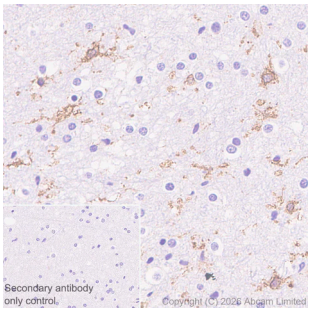
Positive staining on immune cells of human epityphlon (PMID: 36842142). The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human cerebrum using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Human cerebrum tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

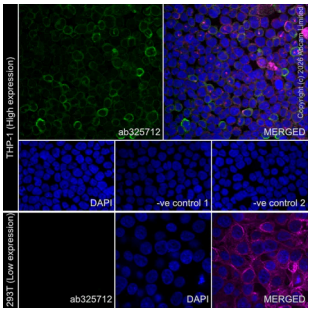
Positive staining on microglia of human cerebrum (PMID: 38143775). The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunocytochemistry/ Immunofluorescence - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

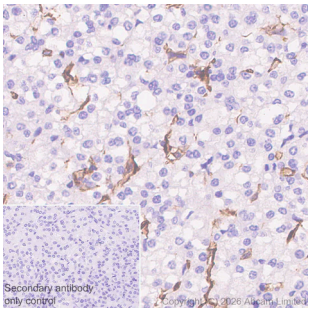
FcRgamma Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-FcRgamma antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized THP-1 (human monocytic leukemia monocyte) 293T (human embryonic kidney epithelial cell) cells labelling with ab325712 at 1/50 (9.98 µg/ml) dilution , followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor®488) preadsorbed antibody at 1/1000 dilution (Green).

Confocal image showing cytoplasmic staining in THP-1 cell line and no staining in 293T cell line(shown in green). The counterstain was observed in magenta. Nuclear DNA was labelled with DAPI (shown in blue). Low expression: 293T. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

ab7291 Anti-alpha Tubulin mouse monoclonal antibody was used to counterstain tubulin at 1/1000 dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor®488) preadsorbed at 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human liver cancer using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on immune cells of human liver cancer. The primary antibody was incubated for 30 mins at room temperature.

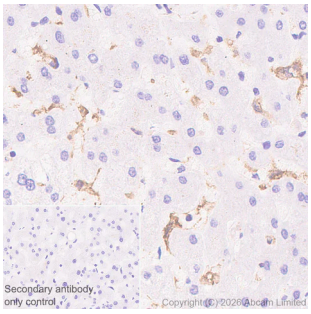
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human liver using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on Kupffer cells of human liver (PMID: 39893200). The primary antibody was incubated for 30 mins at room temperature.

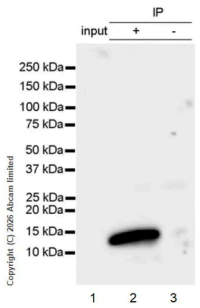
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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Immunoprecipitation - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

was immunoprecipitated from 0.35 mg THP-1 (human monocytic leukemia monocyte) whole cell lysate with ab325712 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab325712 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP) (ab131366) was used at 1/5000 dilution.

Lane 1: THP-1 (human monocytic leukemia monocyte) whole cell lysate
Lane 2: ab325712 IP in THP-1 (human monocytic leukemia monocyte) whole cell lysate
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab325712 in THP-1 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 24 seconds.

All lanes:
Immunoprecipitation - Anti-FcRgamma antibody [EPR30963-69] (ab325712) at 1/1000 dilution

Lane 1:
THP-1 (human monocytic leukemia monocyte) whole cell lysate at 5 µg

Lane 2:
ab325712 at 1/30 IP in THP-1 (human monocytic leukemia monocyte) whole cell lysate

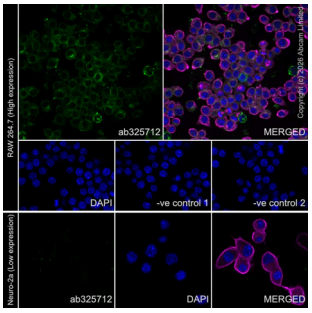
Lane 3:
Rabbit monoclonal IgG (ab172730) instead of ab325712 in THP-1 whole cell lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Observed band size: 10 kDa

Exposure time: 24s



Immunocytochemistry/ Immunofluorescence - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

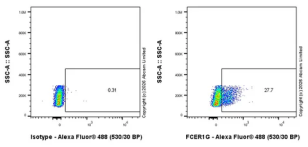
FcRgamma Immunocytochemistry/ Immunofluorescence staining of RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) using rabbit Anti-FcRgamma antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) Neuro-2a (mouse neuroblastoma neuroblast) cells labelling with ab325712 at 1/50 (9.98 µg/ml) dilution , followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor®488) preadsorbed antibody at 1/1000 dilution (Green).

Confocal image showing cytoplasmic staining in RAW 264.7 cell line and no staining in Neuro-2a cell line(shown in green). The counterstain was observed in magenta. Nuclear DNA was labelled with DAPI (shown in blue). Low expression: Neuro-2a. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

ab7291 Anti-alpha Tubulin mouse monoclonal antibody was used to counterstain tubulin at 1/1000 dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor®488) preadsorbed at 1/1000 dilution.

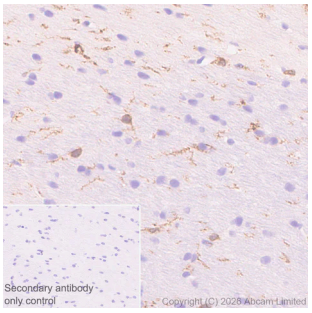


Flow Cytometry (Intracellular) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Flow Cytometry (Intracellular) staining of Rat spleen cell using rabbit Anti-FcRgamma antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Rat spleen cell cells labelling with ab325712 at 1/5000 dilution (0.01ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor®488, ab150081) at 1/5000 dilution was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Rat cerebrum using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Rat cerebrum tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

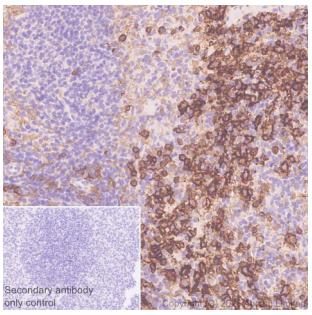
Positive staining on microglia of rat cerebrum. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Rat spleen using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Rat spleen tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

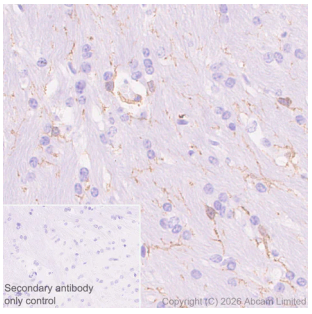
Positive staining on rat spleen. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse cerebrum using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Mouse cerebrum tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

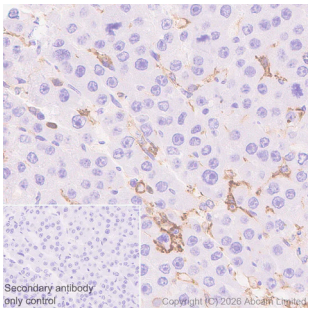
Positive staining on microglia of mouse cerebrum. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse liver cancer using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Mouse liver cancer tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on immune cells of mouse liver cancer. The primary antibody was incubated for 30 mins at room temperature.

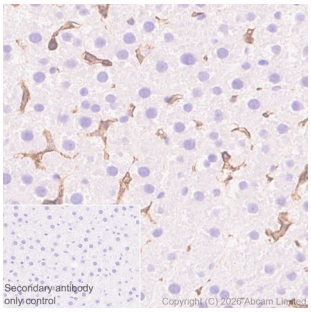
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Rat liver using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Rat liver tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on Kupffer cells of rat liver. The primary antibody was incubated for 30 mins at room temperature.

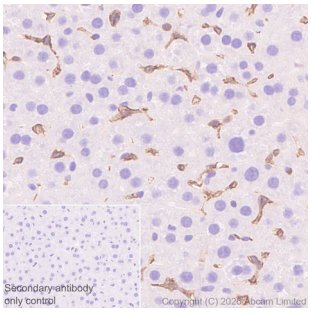
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse liver using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

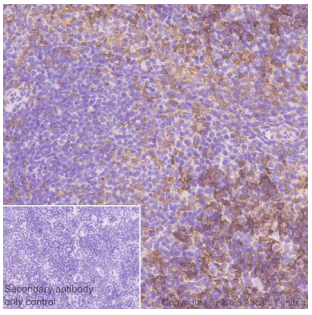
Positive staining on Kupffer cells of mouse liver. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse spleen using rabbit Anti-FcRgamma antibody

Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labeling with ab325712 at 1/500 (0.998 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

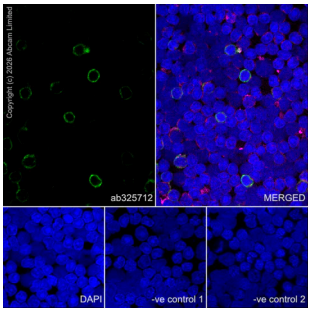
Positive staining on mouse spleen. The primary antibody was incubated for 30 mins at room temperature.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument

Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Immunocytochemistry/ Immunofluorescence - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

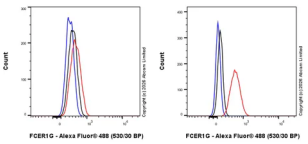
FcRgamma Immunocytochemistry/ Immunofluorescence staining of Rat spleenocytes using rabbit Anti-FcRgamma antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized Rat spleenocytes cells labelling with ab325712 at 1/50 (9.98 µg/ml) dilution , followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor®488) preadsorbed antibody at 1/1000 dilution (Green).

Confocal image showing cytoplasmic staining in subsets of Rat spleenocytes (shown in green). The counterstain was observed in magenta. Nuclear DNA was labelled with DAPI (shown in blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

ab7291 Anti-alpha Tubulin mouse monoclonal antibody was used to counterstain tubulin at 1/1000 dilution (Magenta). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor®488) preadsorbed at 1/1000 dilution.



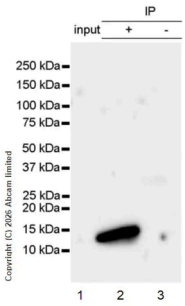
Flow Cytometry (Intracellular) - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Flow Cytometry (Intracellular) staining using rabbit Anti-FcRgamma antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Neuro-2a (mouse neuroblastoma neuroblast, Left) RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage, Right) cells labelling with ab325712 at 1/5000 dilution (0.01ug) / Red compared with a Rabbit monoclonal IgG (ab172730) / Black isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody).

Goat Anti-Rabbit IgG (Alexa Fluor®488, ab150081) at 1/5000 dilution was used as the secondary antibody.

Negative control: Neuro-2a.



Immunoprecipitation - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

was immunoprecipitated from 0.35 mg RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate with ab325712 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab325712 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution.

Lane 1: RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate
Lane 2: ab325712 IP in RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab325712 in RAW 264.7 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 24 seconds.

All lanes:
Immunoprecipitation - Anti-FcRgamma antibody [EPR30963-69] (ab325712) at 1/1000 dilution

Lane 1:
RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate at 5 µg

Lane 2:
ab325712 at 1/30 IP in RAW 264.7 (mouse abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

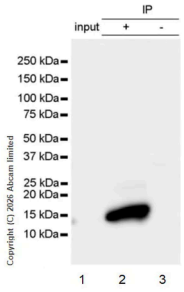
Lane 3:
Rabbit monoclonal IgG (ab172730) instead of ab325712 in RAW 264.7 whole cell lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Observed band size: 10 kDa

Exposure time: 24s



Immunoprecipitation - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

was immunoprecipitated from 0.35 mg NR8383 (rat lung macrophage (alveolar)) whole cell lysate with ab325712 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab325712 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP) (ab131366) was used at 1/5000 dilution.

Lane 1: NR8383 (rat lung macrophage (alveolar)) whole cell lysate
Lane 2: ab325712 IP in NR8383 (rat lung macrophage (alveolar)) whole cell lysate
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab325712 in NR8383 whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 8 seconds.

All lanes:
Immunoprecipitation - Anti-FcRgamma antibody [EPR30963-69] (ab325712) at 1/1000 dilution

Lane 1:
NR8383 (rat lung macrophage (alveolar)) whole cell lysate at 5 µg

Lane 2:
ab325712 at 1/30 IP in NR8383 (rat lung macrophage (alveolar)) whole cell lysate

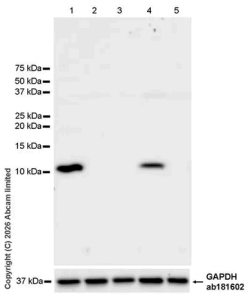
Lane 3:
Rabbit monoclonal IgG (ab172730) instead of ab325712 in NR8383 whole cell lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Observed band size: 10 kDa

Exposure time: 8s



Western blot - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Western blot staining using rabbit Anti-FcRgamma antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Low expression: 293T, SK-OV-3, Neuro-2a

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) (1:200000) (36KDa);.

All lanes:
Western blot - Anti-FcRgamma antibody [EPR30963-69] (ab325712) at 1/1000 dilution

Lane 1:
THP-1 (human monocytic leukemia monocyte) whole cell lysate at 20 µg

Lane 2:
293T (human embryonic kidney epithelial cell) whole cell lysate at 20 µg

Lane 3:
SK-OV-3 (human ovarian cancer epithelial cell) whole cell lysate at 20 µg

Lane 4:

RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate at 20 µg

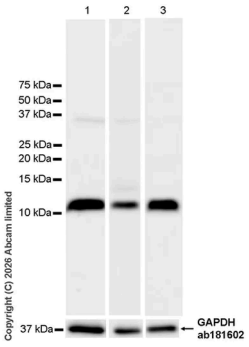
Lane 5:
Neuro-2a (mouse neuroblastoma neuroblast)whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Observed band size: 10 kDa, 36 kDa

Exposure time: 15s



Western blot - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Western blot staining using rabbit Anti-FcRgamma antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Lanes 1 was incubated with Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 and Lanes 2-3 were incubated with Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/20000.

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) (1:200000) (36KDa);.

Exposure time: Lane 1:10 seconds, lane 2: 26 seconds, lane 3: 10 seconds

All lanes:
Western blot - Anti-FcRgamma antibody [EPR30963-69] (ab325712) at 1/1000 dilution

Lane 1:
Human spleen tissue lysate at 40 µg

Lane 2:
Mouse spleen tissue lysate at 40 µg

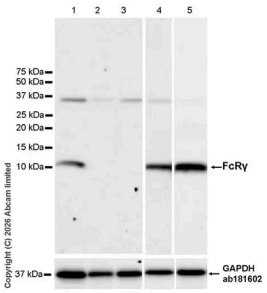
Lane 3:
Rat spleen tissue lysate at 40 µg

Secondary

Lane 1:
Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Lanes 2 - 3:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Observed band size: 10 kDa, 36 kDa



Western blot - Anti-FcRgamma antibody [EPR30963-69] (ab325712)

FcRgamma Western blot staining using rabbit Anti-FcRgamma antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Low expression: 4T1, A20

In Western blot, Anti-GAPDH antibody [EPR16891] - Loading Control (ab181602) (1:200000) (36KDa);.

Exposure time: Lanes 1-4: 48 seconds, lane 5: 3 seconds

All lanes:
Western blot - Anti-FcRgamma antibody [EPR30963-69] (ab325712) at 1/1000 dilution

Lane 1:
P815 (mouse mastocytoma mast Cell) whole cell lysate at 40 µg

Lane 2:
4T1 (mouse mammary gland carcinoma epithelial cell) whole cell lysate at 40 µg

Lane 3:
A20 (mouse reticulum sarcoma B lymphocyte) whole cell lysate at 40 µg

Lane 4:
U-937 (human histiocytic lymphoma monocyte) whole cell lysate at 40 µg

Lane 5:
NR8383 (rat alveolar macrophage) whole cell lysate at 40 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Observed band size: 10 kDa, 36 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.