abcam

ab325356

Anti-Cathelicidin/CLP antibody [RM1363]

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	Multiclonal
Immunogens	The exact immunogen used to generate this antibody is proprietary information.
Clone number	RM1363
Purification technique	Affinity purification Protein A
Concentration	0.492 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Species	Mouse

Dilution info	1/1000
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/2000
Notes	Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Species	Mouse
Dilution info	1/2000
Notes	Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

IP

Tested

Species	Human
Dilution info	1/30
Notes	-

Species	Mouse
Dilution info	1/30
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/500
Notes	-

Species	Mouse

Dilution info	1/500
Notes	-

Target data

See full target information Camp

Function	Antimicrobial protein that is an integral component of the innate immune system (By similarity). Binds to bacterial lipopolysaccharides (LPS) (By similarity). Cathelin-related antimicrobial peptide. Acts via neutrophil N-formyl peptide receptors to enhance the release of CXCL2.

Storage

Shipped at conditions	Blue Ice
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

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.

What are recombinant multiclonals?
Recombinant multiclonals are a mixture of recombinant antibodies co-expressed from a library of heavy and light chains. They offer several advantages including:

- The sensitivity of polyclonal antibodies by recognising multiple epitopes
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

View our range of recombinant multiclonal antibodies.

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

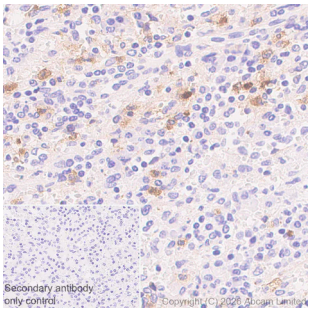
We do not recommend this combination. It is not covered by our product promise.

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.

15 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human spleen using rabbit Anti-Cathelicidin/CLP antibody

Immunohistochemical analysis of paraffin-embedded Human spleen tissue labeling Cathelicidin/CLP with ab325356 at 1/2000 (0.246 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on human spleen.

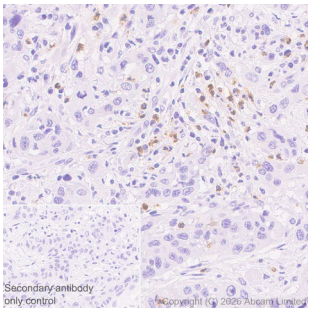
The primary antibody was incubated for 30 mins at room temperature.

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 Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 20 mins



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human cervical cancer using rabbit Anti-Cathelicidin/CLP antibody

Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue labeling Cathelicidin/CLP with ab325356 at 1/2000 (0.246 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on granulocytes of human cervical cancer.

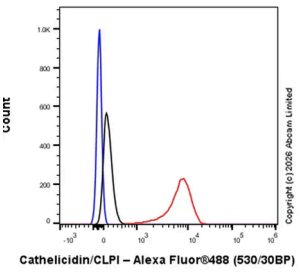
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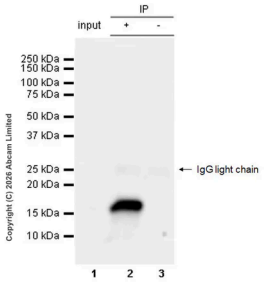


Flow Cytometry (Intracellular) - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Flow Cytometry (Intracellular) staining of Human neutrophils using rabbit Anti-Cathelicidin/CLP antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Human neutrophils cells labelling Cathelicidin/CLP with ab325356 at 1/500 dilution (0.1ug) / 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.



Immunoprecipitation - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP was immunoprecipitated from 0.35 mg Human spleen tissue lysate with ab325356 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab325356 at 1/1000 dilution.

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

All lanes:
Immunoprecipitation - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356) at 1/1000 dilution

Lane 1:
Human spleen tissue lysate at 10 µg

Lane 2:

ab325356 at 1/30 IP in Human spleen tissue lysate

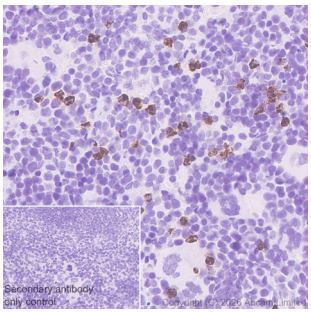
Lane 3:
Rabbit monoclonal IgG (ab172730) instead of ab325356 in human spleen tissue lysate

Secondary

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

Observed band size: 19 kDa

Exposure time: 10s



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

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

Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labeling Cathelicidin/CLP with ab325356 at 1/2000 (0.246 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on mouse spleen.

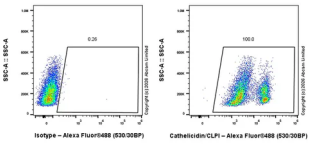
The primary antibody was incubated for 30 mins at room temperature. Incubate slides with 3% Hydrogen Peroxide for 10 mins at room temperature after secondary antibody incubation to reduce the background.

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

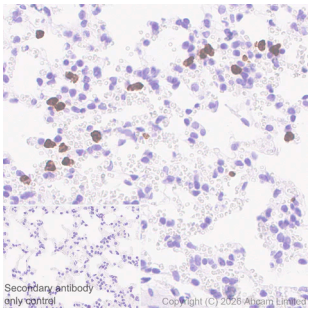


Flow Cytometry (Intracellular) - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Flow Cytometry (Intracellular) staining of Mouse bone marrow using rabbit Anti-Cathelicidin/CLP antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Mouse bone marrow cells labelling Cathelicidin/CLP with ab325356 at 1/500 dilution (0.1ug) / 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-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse lung using rabbit Anti-Cathelicidin/CLP antibody

Immunohistochemical analysis of paraffin-embedded Mouse lung tissue labeling Cathelicidin/CLP with ab325356 at 1/2000 (0.246 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on mouse lung.

The primary antibody was incubated for 30 mins at room temperature. Incubate slides with 3% Hydrogen Peroxide for 10 mins at room temperature after secondary antibody incubation to reduce the background.

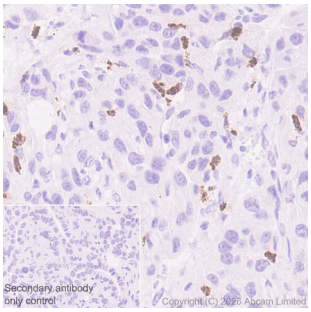
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

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-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse pancreatic cancer using rabbit Anti-Cathelicidin/CLP antibody

Immunohistochemical analysis of paraffin-embedded Mouse pancreatic cancer tissue labeling Cathelicidin/CLP with ab325356 at 1/2000 (0.246 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Positive staining on granulocytes of mouse pancreatic cancer.

The primary antibody was incubated for 30 mins at room temperature. Incubate slides with 3% Hydrogen Peroxide for 10 mins at room temperature after secondary antibody incubation to reduce the background.

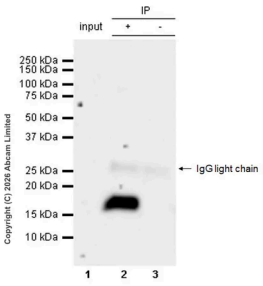
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

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-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP was immunoprecipitated from 0.35 mg Mouse spleen tissue lysate with ab325356 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab325356 at 1/1000 dilution.

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

All lanes:
Immunoprecipitation - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356) at 1/1000 dilution

Lane 1:
Mouse spleen tissue lysate at 10 µg

Lane 2:
ab325356 at 1/30 IP in Mouse spleen tissue lysate

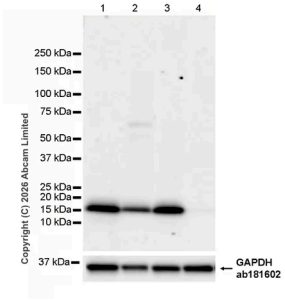
Lane 3:
Rabbit monoclonal IgG (ab172730) instead of ab325356 in mouse spleen tissue lysate

Secondary

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

Observed band size: 19 kDa

Exposure time: 24s



Western blot - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Western blot staining using rabbit Anti-Cathelicidin/CLP antibody

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

Low expression: cerebellum (PMID: 9148921).

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

All lanes:
Western blot - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356) at 1/1000 dilution

Lane 1:
Human spleen tissue lysate at 20 µg

Lane 2:
Human lung tissue lysate at 20 µg

Lane 3:
Human small intestine tissue lysate at 20 µg

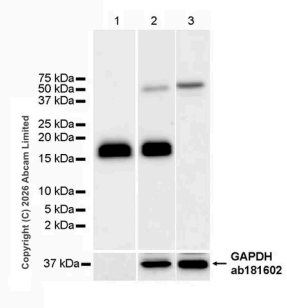
Lane 4:
Human cerebellum tissue lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/5000 dilution

Observed band size: 19 kDa, 36 kDa

Exposure time: 48s



Western blot - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Western blot staining using rabbit Anti-Cathelicidin/CLP antibody

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

Low expression: brain (PMID: 9148921).

The identity of the higher MW band at approximately 50 kDa (in lane 2/3 are unknown.

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

Exposure time: Lane 1: 4 seconds; Lane 2 and 3: 70 seconds

All lanes:
Western blot - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356) at 1/1000 dilution

Lane 1:
Mouse plasma lysate at 20 µg

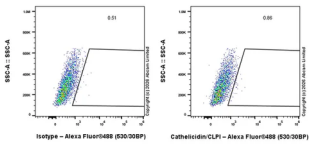
Lane 2:
Mouse spleen tissue lysate at 20 µg

Lane 3:
Mouse brain tissue lysate at 20 µg

Secondary

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

Observed band size: 19 kDa, 36 kDa



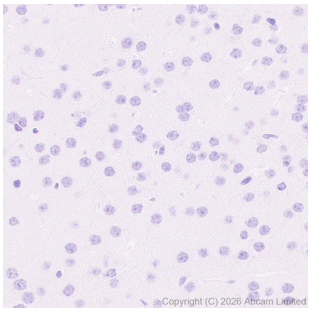
Flow Cytometry (Intracellular) - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Flow Cytometry (Intracellular) staining of Mouse primary neuron using rabbit Anti-Cathelicidin/CLP antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Mouse primary neuron cells labelling Cathelicidin/CLP with ab325356 at 1/500 dilution (0.1ug) / 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.

Negative control: Mouse primary neuron.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

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

Immunohistochemical analysis of paraffin-embedded Mouse cerebrum tissue labeling Cathelicidin/CLP with ab325356 at 1/2000 (0.246 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Low expression tissue: no staining on mouse cerebrum.

The primary antibody was incubated for 30 mins at room temperature. Incubate slides with 3% Hydrogen Peroxide for 10 mins at room temperature after secondary antibody incubation to reduce the background.

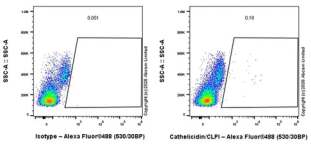
The immunostaining was performed on a Leica Biosystems BOND® RX instrument

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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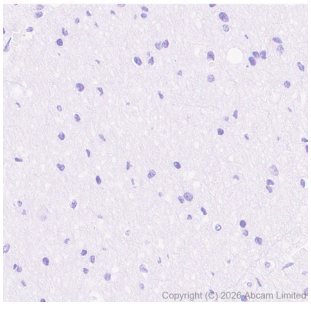
Flow Cytometry (Intracellular) - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

Cathelicidin/CLP Flow Cytometry (Intracellular) staining of Human PBMC (human peripheral blood mononuclear cell) using rabbit Anti-Cathelicidin/CLP antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Human PBMC (human peripheral blood mononuclear cell) cells labelling Cathelicidin/CLP with ab325356 at 1/500 dilution (0.1ug) / 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.

Negative control: Human PBMC.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cathelicidin/CLP antibody [RM1363] (ab325356)

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

Immunohistochemical analysis of paraffin-embedded Human cerebrum tissue labeling Cathelicidin/CLP with ab325356 at 1/2000 (0.246 µg/ml) dilution, followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Low expression tissue: no staining on human 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 Citrate buffer (pH 6.0, Epitope Retrieval Solution 1) for 20 mins

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