abcam

ab325505

Anti-CD63 antibody [EPR29326-502] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR29326-502
Purification technique	Affinity purification Protein A
Concentration	1.018 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Mouse
Dilution info	-

Notes	-

Target data

See full target information CD63

Function	Functions as a cell surface receptor for TIMP1 and plays a role in the activation of cellular signaling cascades. Plays a role in the activation of ITGB1 and integrin signaling, leading to the activation of AKT, FAK/PTK2 and MAP kinases. Promotes cell survival, reorganization of the actin cytoskeleton, cell adhesion, spreading and migration, via its role in the activation of AKT and FAK/PTK2. Plays a role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role in intracellular vesicular transport processes, and is required for normal trafficking of the PMEL luminal domain that is essential for the development and maturation of melanocytes. Plays a role in the adhesion of leukocytes onto endothelial cells via its role in the regulation of SELP trafficking. May play a role in mast cell degranulation in response to Ms4a2/FceRI stimulation, but not in mast cell degranulation in response to other stimuli.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

ab325505 is the carrier-free version of ab325495.

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 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.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide

and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

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

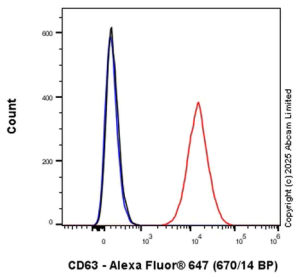
We do not recommend this combination. It is not covered by our product promise.

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.

5 product images



Flow Cytometry - Anti-CD63 antibody [EPR29326-502] - BSA and Azide free (ab325505)

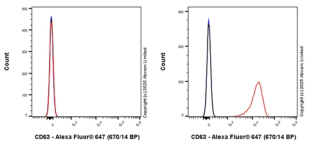
CD63 Flow Cytometry staining of bEnd.3 (mouse brain endothelial cell) using rabbit Anti-CD63 antibody

This data was developed using ab325495, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of bEnd.3 (mouse brain endothelial cell) cells labelling CD63 with ab325495 at 1/50 dilution (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)/ Blue.

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells.



Flow Cytometry - Anti-CD63 antibody [EPR29326-502] - BSA and Azide free (ab325505)

CD63 Flow Cytometry staining using rabbit Anti-CD63 antibody

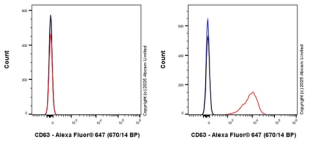
This data was developed using ab325495, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of EL4 (mouse lymphoma T lymphocyte, Left) and NIH/3T3 (mouse embryonic fibroblast, Right) cells labelling CD63 with ab325495 at 1/50 dilution (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)/ Blue.

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells.

Negative control: EL4.



Flow Cytometry - Anti-CD63 antibody [EPR29326-502] - BSA and Azide free (ab325505)

CD63 Flow Cytometry staining using rabbit Anti-CD63 antibody

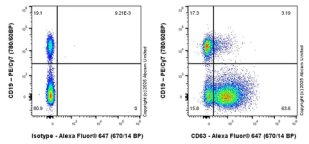
This data was developed using ab325495, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of A20 (mouse reticulum sarcoma B lymphocyte, Left) and RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage, Right) cells labelling CD63 with ab325495 at 1/50 dilution (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)/ Blue.

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells.

Negative control: A20.



Flow Cytometry - Anti-CD63 antibody [EPR29326-502] - BSA and Azide free (ab325505)

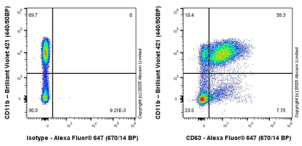
CD63 Flow Cytometry staining of Mouse bone marrow using rabbit Anti-CD63 antibody

This data was developed using ab325495, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of Mouse bone marrow cells labelling CD63 with ab325495 at 1/50 dilution (1ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control.

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells. Cells were co-stained with anti-CD19 conjugated to PE/Cy7.



Flow Cytometry - Anti-CD63 antibody [EPR29326-502] - BSA and Azide free (ab325505)

CD63 Flow Cytometry staining of Mouse bone marrow using rabbit Anti-CD63 antibody

This data was developed using ab325495, the same antibody clone in a different buffer formulation.

Flow cytometric analysis of Mouse bone marrow cells labelling CD63 with ab325495 at 1/50 dilution (1ug) / Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control.

Goat anti-Rabbit IgG (Alexa Fluor® 647, ab150083) at 1/5000 dilution was used as the secondary antibody.

Gated on viable cells. Cells were co-stained with anti-CD11b conjugated to Brilliant Violet 421.

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