abcam

ab270916

Alexa Fluor® 488 Anti-CD39 antibody [EPR22507-48]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	Alexa Fluor® 488
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR22507-48
Purification technique	Affinity purification Protein A
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC

Tested

Species	Mouse
Dilution info	1/500
Notes	This product gave a positive signal in Mouse Splenocytes fixed with 4% formaldehyde (10 min).

Flow Cyt

Tested

Species	Mouse
Dilution info	1/2500
Notes	-

ICC/IF

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information Entpd1

Function Catalyzes the hydrolysis of nucleoside triphosphates (NTPs) and diphosphates (NDPs) (By similarity). The enzyme sequentially removes phosphate groups in two successive steps, converting NTPs to nucleoside monophosphates (NMPs) via NDP intermediates (By similarity). This activity contributes to the regulation of extracellular levels of nucleotides (By similarity). By hydrolyzing proinflammatory ATP and platelet-activating ADP to AMP, it blocks platelet aggregation and supports blood flow (By similarity).

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, Store in the dark

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 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.

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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

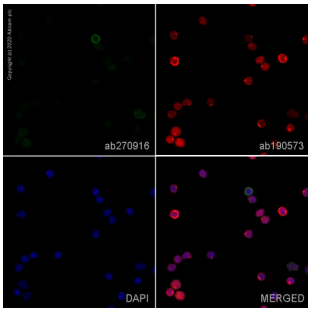
We do not recommend this combination. It is not covered by our product promise.

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.

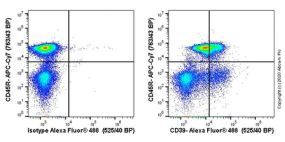
2 product images



Immunocytochemistry - Alexa Fluor® 488 Anti-CD39 antibody [EPR22507-48] (ab270916)

CD39 Immunocytochemistry staining using rabbit Anti-CD39 antibody

Immunofluorescence staining of CD39 in a subset of mouse splenocytes using ab270916. The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab270916 at 1/500 dilution (shown in green) and ab190573, Rabbit monoclonal to alphaTubulin (Alexa Fluor® 647), at 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).
Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).



Flow Cytometry - Alexa Fluor® 488 Anti-CD39 antibody [EPR22507-48] (ab270916)

CD39 Flow Cytometry staining using rabbit Anti-CD39 antibody

Flow cytometry staining of C57 BL/6 mouse splenocytes with ab270916 (right) or Rabbit IgG (monoclonal) Alexa Fluor 488® (ab199091) isotype (left). Cells were incubated for 30 min on ice in 1x PBS containing 10% mouse serum and 10% normal goat serum to block FC receptors and non-specific protein-protein interaction followed by the antibody (ab270916) or Rabbit IgG

(monoclonal) Alexa Fluor 488® (ab199091) isotype (1x 10^6 in 100µl at 0.2µg/ml (1/2500)) for 30 min on ice. The cells were simultaneously stained with CD45R.
Acquisition of >30000 events were collected using a 50 mW Blue laser (488nm) and 525/40 bandpass filter.

Events were gated on live lymphocytes.

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