abcam

ab324048

Anti-IL-13 receptor alpha 2 antibody [EPR29921-581]

Recombinant | RabMAb | KO Validated | 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	EPR29921-581
Purification technique	Affinity purification Protein A
Concentration	0.495 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	1/200
Notes	-

Flow Cyt

Tested

Species	Human
Dilution info	1/500
Notes	-

Target data

See full target information IL13RA2

Function	Cell surface receptor that plays a role in the regulation of IL-13-mediated responses (PubMed:11861389, PubMed:17030238). Functions as a decoy receptor that inhibits IL-13- and IL-4-mediated signal transduction via the JAK-STAT pathway and thereby modulates immune responses and inflammation (PubMed:11861389, PubMed:17030238). Serves as a functional signaling receptor for IL-13 in an alternative pathway involving AP-1 ultimately leading to the production of TGFB1 (PubMed:16327802).

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

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.

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

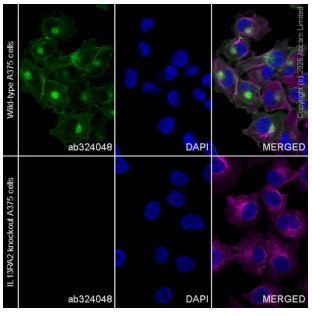
We do not recommend this combination. It is not covered by our product promise.

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.

3 product images



Immunocytochemistry/ Immunofluorescence - Anti-IL-13 receptor alpha 2 antibody [EPR29921-581] (ab324048)

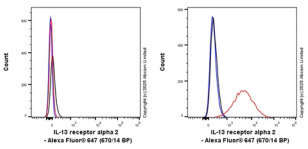
IL-13 receptor alpha 2 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IL-13 receptor alpha 2 antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized Wild-type A375 cells and IL13RA2 KO A375 cells labelling IL-13 receptor alpha 2 with ab324048 at 1/200 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed (ab150081) antibody at 1/1000 dilution (Green).
Confocal image showing membranous and cytoplasmic staining in parental A375 cell line (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).

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

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



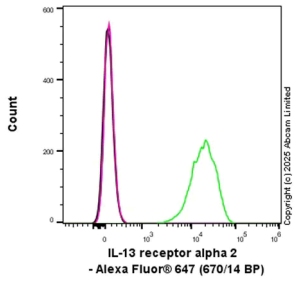
Flow Cytometry - Anti-IL-13 receptor alpha 2 antibody [EPR29921-581] (ab324048)

IL-13 receptor alpha 2 Flow Cytometry staining using rabbit Anti-IL-13 receptor alpha 2 antibody

Flow cytometric analysis of A-172 (human brain glioblastoma cell, Right) / Daudi (human Burkitt's lymphoma lymphoblast, Left) cells labelling IL-13 receptor alpha 2 with ab324048 at 1/500 dilution (0.1 ug) / Right compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody).

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

Negative control: Daudi.
Gated on viable cells.



Flow Cytometry - Anti-IL-13 receptor alpha 2 antibody [EPR29921-581] (ab324048)

IL-13 receptor alpha 2 Flow Cytometry staining using rabbit Anti-IL-13 receptor alpha 2 antibody

Flow cytometric analysis of IL13RA2 KO A375 (IL-13 receptor alpha 2 knock out human malignant melanoma epithelial cell, Magenta) / A375 (Green) cells labelling IL-13 receptor alpha 2 with ab324048 at 1/500 dilution (0.1 ug) / Magenta and Green compared with a Rabbit monoclonal IgG (ab172730) (Black) and Grey isotype control and an unlabeled control (cells without incubation with primary antibody and secondary antibody).

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

Gated on viable cells.

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