abcam

ab281850

Anti-IL-2RG antibody [EPR24561-27] - 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	EPR24561-27
Purification technique	Affinity purification Protein A
Concentration	1.047 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Mouse, Human
Dilution info	-

Notes	-

Not recommended

Species	Rat
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Mouse, Human
Dilution info	-
Notes	-

Not recommended

Species	Rat
Dilution info	-
Notes	-

WB

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Target data

See full target information IL2RG

Function	Common subunit for the receptors for a variety of interleukins. Probably in association with IL15RA, involved in the stimulation of neutrophil phagocytosis by IL15 (PubMed:15123770).

Storage

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

Notes

ab281850 is the carrier-free version of ab281845.

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

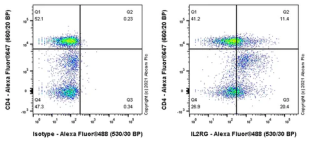
We do not recommend this combination. It is not covered by our product promise.

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.

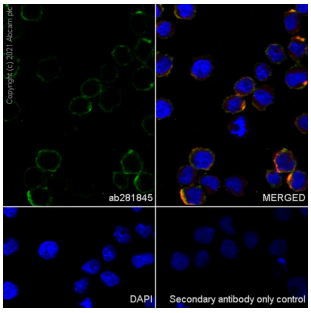
6 product images



Flow Cytometry - Anti-IL-2RG antibody [EPR24561-27] - BSA and Azide free (ab281850)

IL-2RG Flow Cytometry staining using rabbit Anti-IL-2RG antibody

This data was developed using ab281845, the same antibody clone in a different buffer formulation.
Flow cytometric analysis of Human peripheral blood mononuclear cell (PBMC) cells labelling IL-2RG with ab281845 at 1/50 dilution (1ug)/ Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control. Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody. Cells were stained with rabbit IgG or ab281845. Then stained with anti-CD4 conjugated to Alexa Fluor® 647. Gated on viable cells.

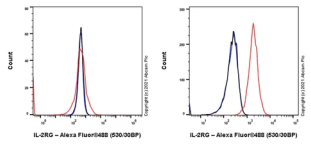


Immunocytochemistry/ Immunofluorescence - Anti-IL-2RG antibody [EPR24561-27] - BSA and Azide free (ab281850)

IL-2RG Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IL-2RG antibody

This data was developed using ab281845, the same antibody clone in a different buffer formulation.
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized U-937 cells labelling IL-2RG with ab281845 at 1/100 (5.59 ug/ml) dilution, followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in U-937 cell line is observed. ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

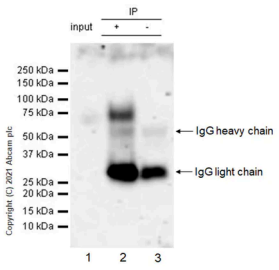
Secondary antibody only control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.



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IL-2RG Flow Cytometry staining using rabbit Anti-IL-2RG antibody

This data was developed using ab281845, the same antibody clone in a different buffer formulation.
Flow cytometric analysis of HT-29 (Human colorectal adenocarcinoma epithelial cell, Left)/ U937 (human histiocytic lymphoma monocyte, Right) cells labelling IL-2RG with ab281845 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® 488, ab150077) at 1/2000 dilution was used as the secondary antibody. **Negative control**: HT-29 (PMID: 8530527) Gated on viable cells.



Immunoprecipitation - Anti-IL-2RG antibody [EPR24561-27] - BSA and Azide free (ab281850)

This data was developed using ab281845, the same antibody clone in a different buffer formulation.
IL-2RG was immunoprecipitated from 0.35 mg U-937 (human histiocytic lymphoma monocyte) whole cell lysate 10 ug with ab281845 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was

performed on the immunoprecipitate using ab281845 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution.

Lane 1: U-937 (human histiocytic lymphoma monocyte) whole cell lysate 10 ug

Lane 2: ab281845 IP in U-937 whole cell lysate 10 ug

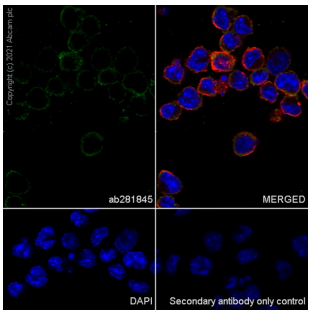
Lane 3: Rabbit monoclonal IgG (ab172730) instead of ab281845 in U-937 whole cell lysate

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

Exposure time: 3 minutes
All lanes:
Immunoprecipitation - Anti-IL-2RG antibody [EPR24561-27] (ab281845)

Predicted band size: 42 kDa

Observed band size: 64 kDa

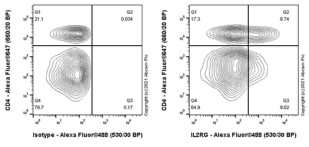


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IL-2RG Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IL-2RG antibody

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Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized CTLL-2 cells labelling IL-2RG with ab281845 at 1/100 (5.59 ug/ml) dilution, followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in CTLL-2 cell line is observed. ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.



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IL-2RG Flow Cytometry staining using rabbit Anti-IL-2RG antibody

This data was developed using ab281845, the same antibody clone in a different buffer formulation.
Flow cytometric analysis of Mouse blood cells cells labelling IL-2RG with ab281845 at 1/50 dilution (1ug)/ Right compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control. Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody. Cells were stained with rabbit IgG or ab281845. Then stained with anti-CD4 conjugated to Alexa Fluor® 647. Gated on viable cells.

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