

Product datasheet

Anti-IL-22 antibody [EPR20211-49] ab227033

Recombinant RabMAb

[1 References](#) [5 Images](#)

Overview

Product name	Anti-IL-22 antibody [EPR20211-49]
Description	Rabbit monoclonal [EPR20211-49] to IL-22
Host species	Rabbit
Tested applications	Suitable for: IP, ICC/IF, Flow Cyt (Intra) Unsuitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	ICC/IF: 293T cells. Flow Cyt (intra): 293T and Th17 polarized human PBMC treated with 50ng/ml PMA cells. IP: 293T cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20211-49

Isotype

IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab227033 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		1/30.
ICC/IF		1/100.
Flow Cyt (Intra)		1/500.

Application notes

Is unsuitable for WB.

Target

Function

Cytokine that contributes to the inflammatory response in vivo.

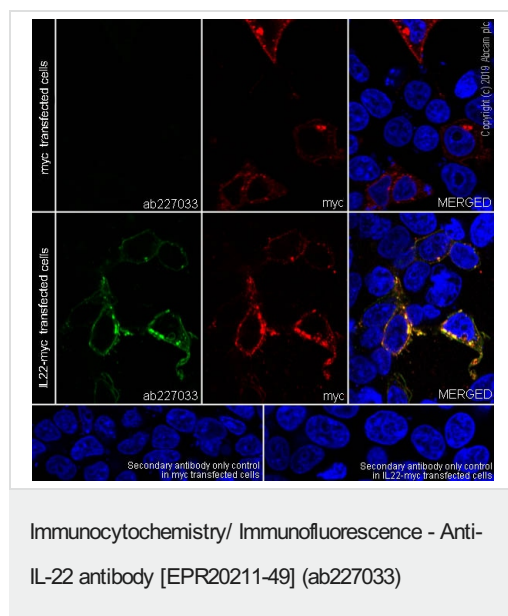
Sequence similarities

Belongs to the IL-10 family.

Cellular localization

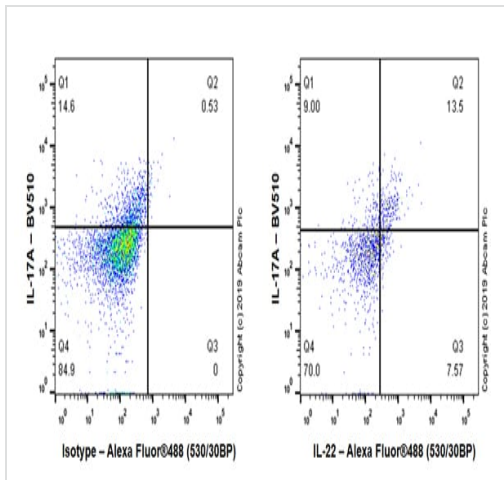
Secreted.

Images



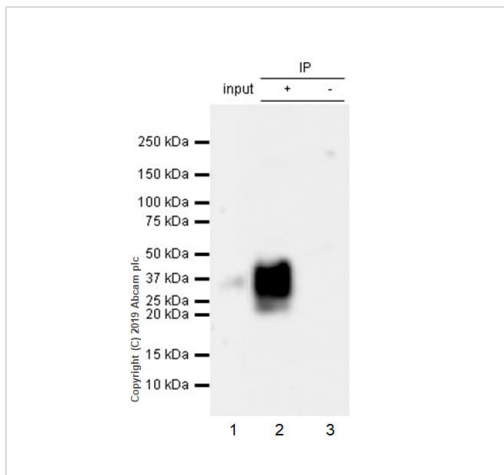
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized 293T (human embryonic kidney epithelial cell) cells labelling IL-22 with ab227033 at 1/100 dilution, followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic and staining in 293T cells transfected with myc-tagged IL-22 expression vector. The vector also contains a PDGFR transmembrane domain. is observed. **ab223894** Anti-Myc tag antibody [9E10] (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** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-IL-22 antibody
[EPR20211-49] (ab227033)

Intracellular flow cytometric analysis of 2% paraformaldehyde fixed 0.1% Tween-20 permeabilized Th17 polarized human PBMC treated with 50ng/ml PMA ([ab120297](#)), 200ng/ml Ionomycin calcium ([ab120116](#)) and 300ng/ml BFA ([ab193369](#)) for 4h cells labelling IL-22 with ab227033 at 1/500 dilution (Red) compared with a Rabbit monoclonal IgG ([ab172730](#)) Left isotype control (left) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-IL-22 antibody
[EPR20211-49] (ab227033)

IL-22 was immunoprecipitated from 0.35 mg 293T (human embryonic kidney epithelial cell) transfected with myc-tagged IL-22 expression vector whole cell lysate with ab227033 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab227033 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/5000 dilution.

Lane 1: 293T (human embryonic kidney epithelial cell) transfected with myc-tagged IL-22 expression vector whole cell lysate 10ug

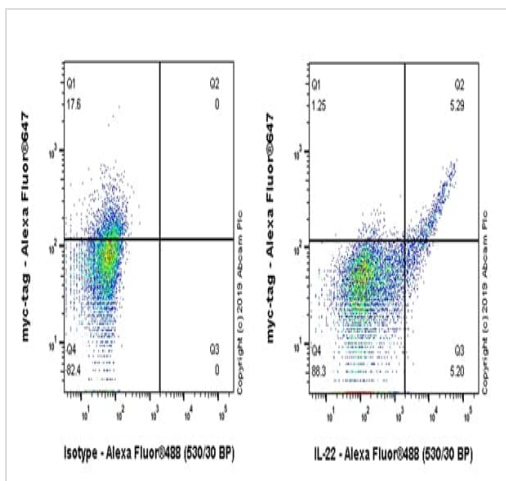
Lane 2: ab227033 IP in 293T transfected with myc-tagged IL-22 expression vector whole cell lysate

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab227033 in 293T transfected with myc-tagged IL-22 expression vector whole cell lysate.

The vector containing a PDGFR transmembrane domain (~6 kDa). The molecular weight observed is consistent with what has been described in the literature (PMID: 26059044)

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

Exposure time: 20 seconds



Flow Cytometry (Intracellular) - Anti-IL-22 antibody
[EPR20211-49] (ab227033)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized 293T (human embryonic kidney epithelial cell) transfected with myc-tagged IL-22 expression vector cells labelling IL-22 with ab227033 at 1/500 dilution (Red) compared with a Rabbit monoclonal IgG (**ab172730**) isotype control (left) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-IL-22 antibody [EPR20211-49] (ab227033)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors