abcam

ab255964

Anti-IL-23R antibody [EPR22838-4] - BSA and Azide free

Anti-IL-23R antibody [EPR22838-4] - BSA and Azide free (ab255964) is a rabbit recombinant monoclonal antibody provided in a PBS only buffer for easy conjugation detecting IL-23R in **Flow Cytometry, ICC/IF, ELISA**. Suitable for **Human**.

- BSA, sodium azide, and glycerol-free for easy conjugation
- Biophysical QC for unrivalled batch-batch consistency

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	EPR22838-4
Purification technique	Affinity purification Protein A
Concentration	0.999 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

I-ELISA

Tested

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

Expected

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

ICC/IF

Tested

Species	Human
Dilution info	-
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

Target data

See full target information IL23R

Function	Associates with IL12RB1 to form the interleukin-23 receptor. Binds IL23 and mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade. IL23 functions in innate and adaptive immunity and may participate in acute response to infection in peripheral tissues. IL23 may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

What is this antibody validated in?
Anti-IL-23R antibody [EPR22838-4] - BSA and Azide free (ab255964) is a rabbit recombinant monoclonal antibody and is validated for use in Flow Cytometry, Flow Cytometry (Flow Cyt), Immunocytochemistry/immunofluorescence (ICC/IF), ELISA in Human samples.

Other related products
We have a range of other formats of antibody clone [EPR22838-4] also available for your convenience: ab222104, Carrier free - ab255964, Alexa Fluor® 488 - ab319083, Alexa Fluor® 647 - ab319084

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

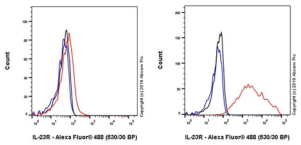
We do not recommend this combination. It is not covered by our product promise.

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.

3 product images

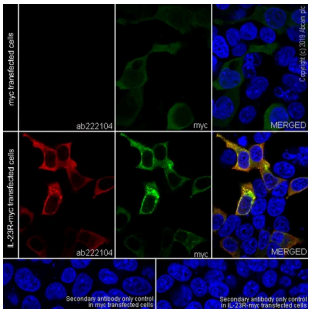


Flow Cytometry - Anti-IL-23R antibody [EPR22838-4] - BSA and Azide free (ab255964)

IL-23R Flow Cytometry staining using rabbit Anti-IL-23R antibody

Flow cytometric analysis of 2% paraformaldehyde fixed 0.1% Tween-20 permeabilized HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with myc-tagged IL-23R expression vector cells labeling IL-23R with ab222104 at 1/50 dilution (1µg)/ Red compared with a Rabbit monoclonal IgG (ab172730) / Black isotype control and an unlabeled 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. Cells were surface stained with rabbit IgG (black) or ab225248 (red) without prior fixation or permeabilization. Then fixed with 2% PFA followed by intracellularly stained with anti-myc tag conjugated to Alexa Fluor® 647. Gated on myc(-) (Left) and myc(+) (Right) population respectively.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab222104).

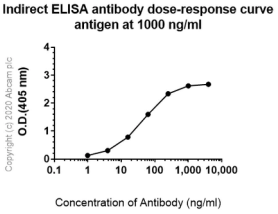


Immunocytochemistry/ Immunofluorescence - Anti-IL-23R antibody [EPR22838-4] - BSA and Azide free (ab255964)

IL-23R Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IL-23R antibody

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cells labeling IL-23R with ab222104 at 1/100 dilution, followed by ab150077 AlexaFluor®488 Goat anti-Rabbit secondary antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in HEK-293T cells transfected with myc-tagged IL-23R expression vector is observed. Myc-Tag (9B11) Mouse mAb (Alexa Fluor® 488 Conjugate) was used to counterstain tubulin at 1/200 dilution (Red). The nuclear counterstain was DAPI (Blue).
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ab150077 AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab222104).



Indirect ELISA - Anti-IL-23R antibody [EPR22838-4] - BSA and Azide free (ab255964)

This data was developed using ab222104, the same antibody clone in a different buffer formulation.ELISA analysis of Human IL23R recombinant protein at 1000 ng/mL with ab222104. An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/2500 dilution was used as the secondary antibody.

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