abcam

ab314045

Anti-IL18R1 antibody [BLR172J]- BSA free

Recombinant

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.8 - 8.6 Preservative: 0.09% Sodium azide Constituents: 98% Borate buffered saline
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human IL18R1 aa 1-350. The exact immunogen used to generate this antibody is proprietary information. Database link Q13478
Clone number	BLR172J
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

Target data

See full target information IL18R1

Function	Within the IL18 receptor complex, responsible for the binding of the pro-inflammatory cytokine IL18, but not IL1A nor IL1B (PubMed:14528293, PubMed:25261253, PubMed:25500532, PubMed:37993714, PubMed:8626725). Involved in IL18-mediated IFNG synthesis from T-helper 1 (Th1) cells (PubMed:10653850). Contributes to IL18-induced cytokine production, either independently of SLC12A3, or as a complex with SLC12A3 (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	Up to 12 months
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Notes

REACH authorisation
Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances.
It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.

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.

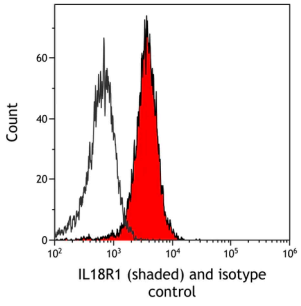
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

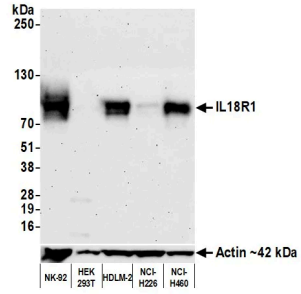
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2 product images



Flow Cytometry (Intracellular) - Anti-IL18R1 antibody [BLR172J]- BSA free (ab314045)

Detection of human IL18R1 in Jurkat (Human T cell leukemia cell line from peripheral blood) cells by Flow Cytometry (Intracellular). Fixed in 4% formaldehyde and permeabilized with 90% methanol. 2 µl per 1 x 10^6 cells. Antibody: Standard version of ab314045 (shaded red) or isotype control (unshaded). Secondary: DyLight® 650-conjugated goat anti-rabbit IgG.



Western blot - Anti-IL18R1 antibody [BLR172J]- BSA free (ab314045)

Samples: Whole cell lysate (25 µg) from NK-92, HEK293T, HDLM-2, NCI-H226, and NCI-H460 cells prepared using NETN lysis buffer. Antibody:Rabbit anti-IL18R1 recombinant monoclonal antibody [BLR172J] (A700-172 lot 1) used at 1:1000. Secondary:HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 75 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody [BLR057F] (A700-057).
All lanes:
Western blot - Anti-IL18R1 antibody [BLR172J]- BSA free (ab314045) at 1/1000 dilution

Lane 1:
NK-92 (Human peripheral blood malignant non-Hodgkin's lymphoma cell line) whole cell lysate at 25 µg

Lane 2:
HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate at 25 µg

Lane 3:
HDLM-2 (Human Hodgkin's lymphoma cell line) whole cell lysate at 25 µg

Lane 4:
NCI-H266 (Human cell line) whole cell lysate at 25 µg

Lane 5:
NCI-H460 (Human cell line) whole cell lysate at 25 µg

Secondary

All lanes:
HRP-conjugated goat anti-rabbit IgG

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