abcam

ab203398

Anti-IL-4R antibody

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.4 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 48.98% TBS, 1X, 1% BSA
Form	Liquid
Clonality	Polyclonal
Immunogen	Synthetic Peptide within Human IL4R aa 200-250 conjugated to Keyhole Limpet Haemocyanin. The exact immunogen used to generate this antibody is proprietary information. Database link P24394
Purification technique	Affinity purification Protein A
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1/20 - 1/100
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

IHC-P

Tested

Species	Human
Dilution info	1/100 - 1/500
Notes	When using a fluorescent probe the recommended dilution is 1/50 – 1/200.

ICC/IF

Tested

Species	Human
Dilution info	-
Notes	-

Target data

See full target information IL4R

Function	Receptor for both interleukin 4 and interleukin 13 (PubMed:17030238). Couples to the JAK1/2/3-STAT6 pathway. The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2. Soluble IL4R (sIL4R) inhibits IL4-mediated cell proliferation and IL5 up-regulation by T-cells.

Storage

Shipped at conditions	Blue Ice
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

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.

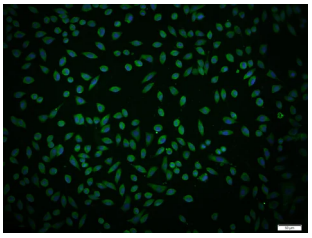
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In the unlikely event of one of our products not working as expected, you are covered by our product promise.

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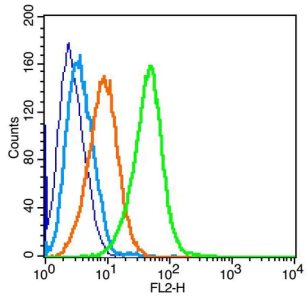
4 product images



Immunocytochemistry/ Immunofluorescence - Anti-IL-4R antibody (ab203398)

IL-4R Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-IL-4R antibody

Immunocytochemistry/ Immunofluorescence analys of A431 cells labeling IL-4R with ab203398 1/100 for 90 minutes at 37°C. Cells were fixed with 4% Paraformaldehyde, Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min. Secondary antibody was Goat Anti-Rabbit IgG antibody with FITC conjugation at 37°C for 90 minutes, DAPI (5ug/ml, blue) was used to stain the cell nuclei.

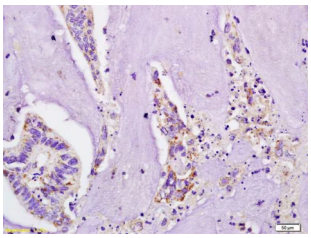


Flow Cytometry - Anti-IL-4R antibody (ab203398)

IL-4R Flow Cytometry staining using rabbit Anti-IL-4R antibody

Flow Cytometry analysis of Raji cells labeling IL-4R with ab203398. Cells were fixed with 2% PFA (10min at room temperature). The cells were then incubated in 1 X PBS containing 0.5% BSA + 10% goat serum to block non-specific protein-protein interactions for 15 min at room temperature. Staining with ab203398 was performed at 1/100 for 30 min at room temperature. The secondary antibody, Goat anti-rabbit IgG-PE, was used at a 1/200 dilution for 40 min at room temperature.

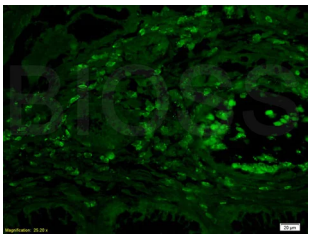
Primary antibody staining (green) is compared to compared to unstained cells (dark blue), secondary only (light blue), and isotype control (orange).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-4R antibody (ab203398)

IL-4R Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IL-4R antibody

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human colon carcinoma tissue labeling IL4R with ab203398 at 1/200 dilution followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-4R antibody (ab203398)

IL-4R Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-IL-4R antibody

Formalin-fixed, paraffin-embedded human colon carcinoma tissue stained for IL4R using ab203398 at 1/200 dilution in immunohistochemical analysis, followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, AF488 conjugated at 1/200 dilution.

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