

APC anti-mouse IL-17RB Antibody

Catalog# / Size	146307 / 25 µg 146308 / 100 µg
Clone	9B10
Regulatory Status	RUO
Other Names	Evi27, IL-17ER, IL17RH1, IL17br, IL-17 receptor B
Isotype	Rat IgG2a, κ
Description	IL-17RB, also known as IL17RH1, belongs to the cytokine receptor family. IL-17RB possesses a unique intracellular signaling molecule called SEFIR, and is expressed similarly to fibroblast growth factor genes and IL-17R. It is reported to be expressed on iNKT cells, innate lymphoid cells (ILC), and Th2 cells. It binds IL-17B and IL-17E (IL-25) but not IL-17A or C. Its interaction with IL-25 has a higher affinity than that with IL-17B. Binding of IL-17RB and IL-25/IL-17E induces NF-κB mediated IL-8 production through interaction with TRAF6 and Act1. IL-17RB has been reported to play a role in autoimmune diseases such as rheumatoid arthritis and asthma.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Recombinant mouse IL-17RB - Fc chimera (human IgG1)
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Concentration	0.2 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Red Laser (633 nm)
Product Citations	<ol style="list-style-type: none">1. Schneider C, <i>et al.</i> 2018. Cell. 174:271. PubMed2. Luo W, <i>et al.</i> 2019. Mol Med Rep. 20:1007. PubMed3. Bi CS, <i>et al.</i> 2020. Cell Prolif. 53:e12827. PubMed
RRID	AB_2564513 (BioLegend Cat. No. 146307) AB_2564514 (BioLegend Cat. No. 146308)

Antigen Details

Structure	Single pass type I transmembrane protein, 55.9 kD
Distribution	iNKT cells, innate lymphoid cells, Th2 cells

Function	Binds IL-25 with higher affinity than IL-17B, can block IL-25 mediated pathology
Interaction	TRAF6 and Act1
Ligand/Receptor	IL-25/IL-17E
Cell Type	NKT cells, Th2
Biology Area	Immunology, Innate Immunity
Molecular Family	Cytokine/Chemokine Receptors
Antigen References	1. Hwang SY, <i>et al.</i> 2004. <i>Arthritis Res. Ther.</i> 6:R120. 2. Rickel EA, <i>et al.</i> 2008. <i>J. Immunol.</i> 181:4299. 3. Terashima A, <i>et al.</i> 2008. <i>J. Exp. Med.</i> 205:2727.
Gene ID	50905

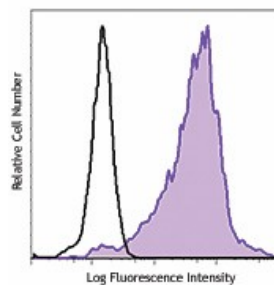
Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse IL-17RB, Alexa Fluor® 647 anti-mouse IL-17RB, PE anti-mouse IL-17RB, APC anti-mouse IL-17RB

Product Data



Mouse IL-17RB transfected 300.19 cells were stained with IL-17RB (clone 9B10) APC (filled histogram) or rat IgG2a, κ APC isotype control (open histogram).

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