

# IL-25R (IL-17RB) Monoclonal Antibody (MUNC33), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MUNC33
Conjugate	PE
Excitation/Emission Max	565/576 nm
Immunogen	IL-17RB-Fc fusion protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572658

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	5 Publications

## Product Specific Information

**Description:** This MUNC33 monoclonal antibody reacts with mouse interleukin-25 receptor (IL-25R), also known as IL-17RB. IL-25R is a 55 kDa transmembrane protein that dimerizes with IL-17RA to form the functional receptor for IL-25 (IL-17E). IL-25R is detectable in various tissues, including the lung and gastrointestinal tract and exists as both membrane bound and soluble form. IL-25/IL-25R interaction has been shown to activate the NF-κB, MAPK, and JNK pathways as well as gene transcription by STAT6, GATA-3, and NFATc1. IL-25R signals in T helper 2 (Th2) cells, type 2 innate lymphoid (ILC2) cells and some iNKT cells to promote differentiation and effector function. Whereas IL-25-deficient mice have an impaired Th2 response to parasitic helminth infection, elevated expression of IL-25 and IL-25R is observed in patients with chronic asthma and atopic dermatitis.

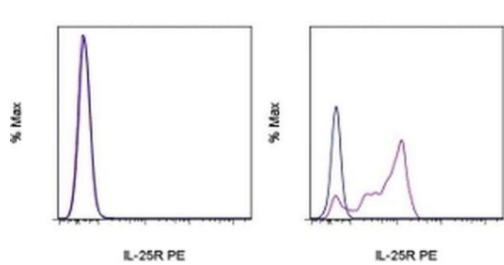
**Applications Reported:** This MUNC33 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This MUNC33 antibody has been tested by flow cytometric analysis of mouse lymph node cells or IL-25R-transfected cells. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-25R (IL-17RB) Monoclonal Antibody (MUNC33), PE, eBioscience™



**IL-25R (IL-17RB) Antibody (12-7361-82) in Flow**  
ILC2, but not CD4+ T cells, in the mesenteric lymph nodes express IL-25R. CD4+ T cells (CD45+, CD3+, CD4+) (left) and ILC2 (CD45+, CD19-, CD5-, CD11b-, CD11c-, NK1-1-, CD4-, CD90-2+, CD25+, CD127+, IL-33R+) (right) were stained with 0.125 µg of Rat IgG2a K Isotype Control PE (Product # 12-4321-80) (blue histogram) or 0.125 µg of Anti-Mouse IL-25R (IL-17RB) PE (purple histogram). Single, viable cells were used for analysis. Data are courtesy of the Artis laboratory (Department of Microbiology and Institute for Immunology, Perelman School of Medicine, University of Pennsylvania).

5 References

Flow Cytometry (5)

<p><b>Nature communications</b></p> <p><b>Single-cell RNA sequencing identifies shared differentiation paths of mouse thymic innate T cells.</b></p> <p>"12-7361 was used in Flow cytometry/Cell sorting to indicate that innate T cells share effector differentiation processes in the thymus."</p> <p>Authors: Lee M, Lee E, Han SK, Choi YH, Kwon DI, Choi H, Lee K, Park ES, Rha MS, Joo DJ, Shin EC, Kim S, Kim JK, Lee YJ</p>	<p><b>Year</b> 2020</p> <p><b>Species</b> Mouse</p> <p><b>Dilution</b> 1:100</p>
<p><b>Nature communications</b></p> <p><b>Diversity in medullary thymic epithelial cells controls the activity and availability of iNKT cells.</b></p> <p>"12-7361 was used in Flow cytometry/Cell sorting to study the mechanism that controls the development of T cell lineages in the thymus."</p> <p>Authors: Lucas B, White AJ, Cosway EJ, Parnell SM, James KD, Jones ND, Ohigashi I, Takahama Y, Jenkinson WE, Anderson G</p>	<p><b>Year</b> 2020</p> <p><b>Species</b> Mouse</p> <p><b>Dilution</b> 1:100</p>

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