# 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-kB, 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.

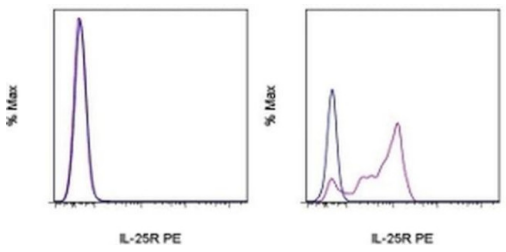
Applications Reported: This MUNC33 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This MUNC33 antibody has been tested by flow cytometirc 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 10^5 to 10^8 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)

**Nature communications**

**Single-cell RNA sequencing identifies shared differentiation paths of mouse thymic innate T cells.**

"12-7361 was used in Flow cytometry/Cell sorting to indicate that innate T cells share effector differentiation processes in the thymus."

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

**Year**
2020

**Species**
Mouse

**Dilution**
1:100

**Nature communications**

**Diversity in medullary thymic epithelial cells controls the activity and availability of iNKT cells.**

"12-7361 was used in Flow cytometry/Cell sorting to study the mechanism that controls the development of T cell lineages in the thymus."

Authors: Lucas B,White AJ,Cosway EJ,Parnell SM,James KD,Jones ND,Ohigashi I,Takahama Y,Jenkinson WE, Anderson G

**Year**
2020

**Species**
Mouse

**Dilution**
1:100

View more Flow references on thermofisher.com

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