

**PE anti-mouse IL-17RB**

**Catalog # / Size:** 1331525 / 25 µg  
1331530 / 100 µg

**Clone:** 9B10

**Isotype:** Rat IgG2a, κ

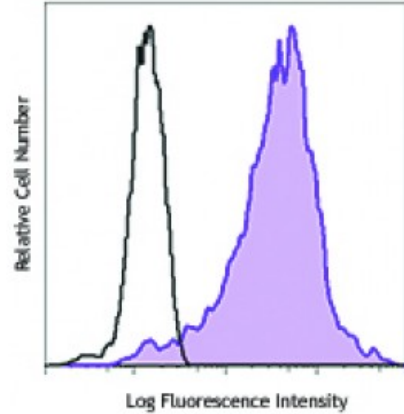
**Immunogen:** Recombinant mouse IL-17RB - Fc chimera (human IgG1)

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.2



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

**Applications:**

**Applications:** Flow Cytometry

**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 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:** 1. Wiesner DL, *et al.* 2015. *PLoS Pathog.* 11:1004701. [PubMed](#)

**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.

**Antigen References:** 1. Hwang SY, *et al.* 2004. *Arthritis Res. Ther.* 6:R120.  
2. Rickel EA, *et al.* 2008. *J. Immunol.* 181:4299.  
3. Terashima A, *et al.* 2008. *J. Exp. Med.* 205:2727.