

**Alexa Fluor® 647 anti-mouse IL-17RB**

**Catalog # / Size:** 1331515 / 25 µg  
1331520 / 100 µg

**Clone:** 9B10

**Isotype:** Rat IgG2a, κ

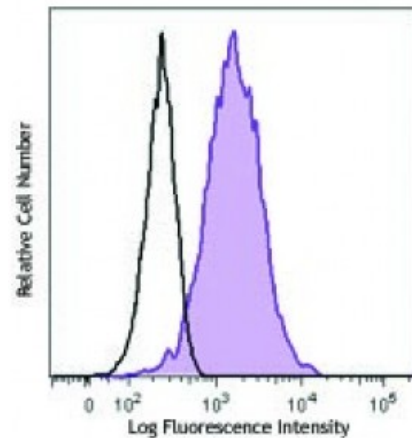
**Immunogen:** Recombinant mouse IL-17RB - Fc chimera (human IgG1)

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.

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

**Concentration:** 0.5



Mouse IL-17RB transfected 300.19 cells were stained with IL-17RB (clone 9B10) Alexa Fluor® 647 (filled histogram) or rat IgG2a, κ Alexa Fluor® 647 (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 ≤0.5 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

\* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

**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.