

**PE/Cyanine7 anti-mouse CD200R3**

**Catalog # /** 1311055 / 25 µg  
**Size:** 1311060 / 100 µg

**Clone:** Ba13

**Isotype:** Rat IgG2a, κ

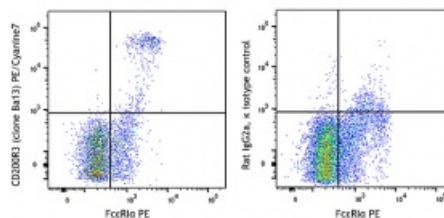
**Immunogen:** Mouse primary basophils

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions. The solution is free of unconjugated PE/Cyanine7 and unconjugated antibody.

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

**Concentration:** 0.2 mg/ml



BALB/c mouse peripheral blood leukocytes were stained with FcεRIα PE and CD200R3 (clone Ba13) PE/Cyanine7 (left) or Rat IgG2a, κ PE/Cyanine7 isotype control (right).

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

**Application Notes:** Ba13 recognizes circulating and bone marrow basophils; it also recognizes a subset of mast cells in the peritoneal cavity and skin. Additional reported applications (for the relevant formats) include: stimulation of bone marrow derived basophils to produce IL-4.

**Description:** CD200R3, also known as CD200RLb and OX-2 Receptor 3, is a disulfide-linked dimeric CD200R-like receptor which belongs to immunoglobulin superfamily. Its positively charged amino acid lysine associates with ITAM- or YxxM motif-bearing adaptor molecules such as DAP12, DAP10, FcRγ, and CD3ζ. CD200R3 functions as an activating receptor to regulate IgE independent immune response.

**Antigen References:**

1. Voehringer D, et al. 2004. *J. Biol. Chem.* 279:54117.
2. Kojima T, et al. 2007. *J. Immunol.* 179:7093.
3. Sato K, et al. 2009. *Blood* 113:4780.