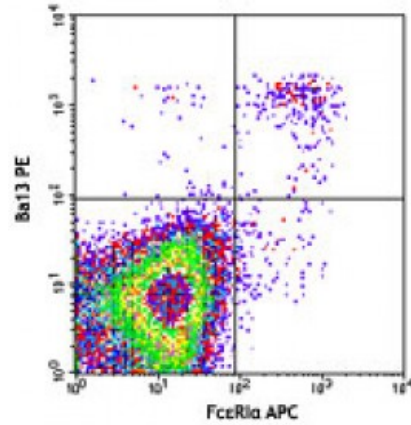


Purified anti-mouse CD200R3

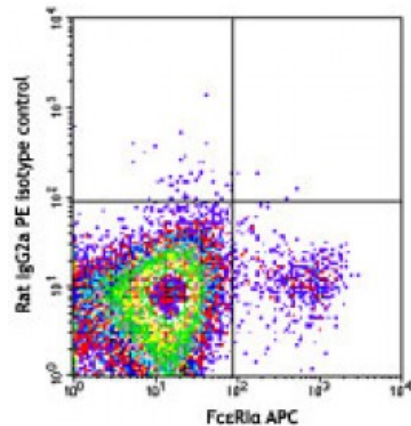
Catalog # / Size: 1311005 / 50 µg
Clone: Ba13
Isotype: Rat IgG2a, κ
Immunogen: Mouse primary basophils
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



C57BL/6 peripheral blood leukocytes were stained with FcεRIα APC and CD200R3 (clone Ba13) PE (top) or rat IgG2a PE isotype control (bottom). Data shown were gated on lymphocyte population.

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 ≤1.0 microg per million cells in 100 microL 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.* 52:54117.
 2. Kojima T, *et al.* 2007. *J. Immunol.* 179:7093.
 3. Sato K, *et al.* 2009. *Blood* 113:4780.