SONY

Product Data Sheet

PE anti-mouse CD200R3

Catalog # / Size: 1311030 / 100 µg
1311025 / 25 µg

Clone: Ba13

Isotype: Rat IgG2a, κ

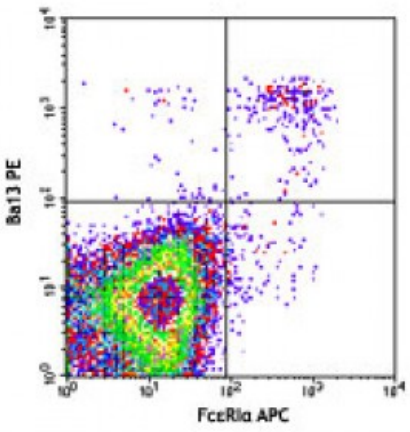
Immunogen: Mouse primary basophils

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE 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: NULL

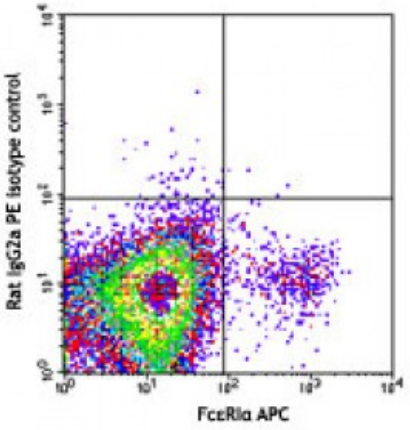


C57BL/6 peripheral blood leukocytes were stained with FcεRIα APC and CD200R3 (clone Ba13) PE (top) or rat IgG2a PE isotype control (bottom). Data shown were gated on lymphocyte population.

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 ≤0.5 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.

Application References:
1. Schwartz C, *et al.* 2014. *J Immunol.* 193:3590. PubMed
2. Schwartz C, *et al.* 2014. *PNAS.* 111:5169. PubMed

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.

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