SONY

Product Data Sheet

PE/Cyanine7 anti-mouse CD200R3

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

Clone: Ba13

Isotype: Rat IgG2a, κ

Immunogen: Mouse primary basophils

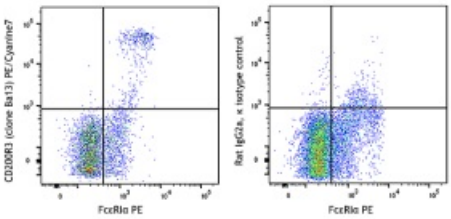
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.

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

Workshop Number: VII 70322

Concentration: 0.2

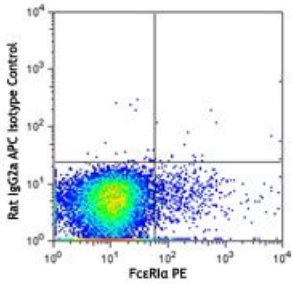


BALB/c mouse peripheral blood leukocytes were stained with FcεRIα PE and CD200R3 (clone Ba13) PE/Cyanine7 (left) or Rat IgG2a, κ PE/Cyanine7 isotype control (right).

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.

Application References:

1. Takakura N, *et al.* 1996. *J. Invest. Dermatol.* 107:770.
2. Liao C, *et al*. 2010. *J. Clin. Invest*. 120:242. (Block)
3. Chen H, *et al.* 2015. *ASN Neuro 8:7.* 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.

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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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