SONY

Product Data Sheet

PerCP/Cyanine5.5 anti-mouse CD23

Catalog # / Size: 1108090 / 100 µg
1108085 / 25 µg

Clone: B3B4

Isotype: Rat IgG2a, κ

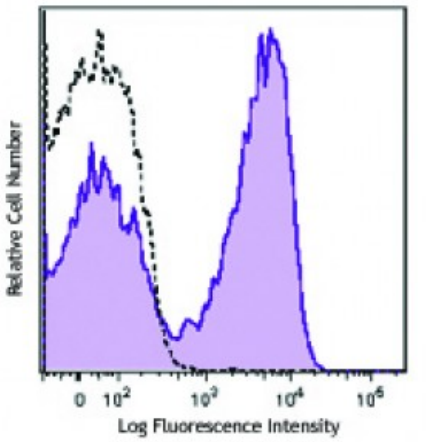
Immunogen: Complex of IgE with Fcε receptor isolated from the mouse B hybridoma cell line O1.2B2

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cyanine5.5 and unconjugated antibody.

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

Concentration: 0.2



C57BL/6 mouse splenocytes were stained with CD23 (clone B3B4) PerCP/Cy5.5 (filled histogram) or rat IgG2a, κ PerCP/Cy5.5 (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 ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: The B3B4 antibody is useful for blocking IgE activity *in vivo*. Additional reported applications (for the relevant formats) include: immunoprecipitation1, immunofluorescence microscopy, *in vitro* and *in vivo* blocking of ligand binding[2-4], and immunohistochemical staining of acetone-fixed frozen sections5.

Application References:

1. Barclay A, *et al.* 1997. The Leukocyte Antigen FactsBook Academic Press.
2. Delespesse G, *et al.* 1992. *Immunol. Rev.* 125:77.
3. Flores-Romo L, *et al.* 1993. *Science* 261:1038.

Description: CD23 is a 45 kD protein also known as low affinity IgE Fc receptor, FcεRII, BLAST-2, Ly-42, or B6. It is a member of the Ig family, expressed on conventional B (but not B-1) cells and follicular dendritic cells. CD23 responds to high levels of IgE by downregulating IgE secretion.

Antigen References:

1. Barclay A, *et al.* 1997. The Leukocyte Antigen FactsBook Academic Press.
2. Delespesse G, *et al.* 1992. *Immunol. Rev.* 125:77.
3. Flores-Romo L, *et al.* 1993. *Science* 261:1038.

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