

Product Data Sheet

Biotin anti-human CD203c (E-NPP3)

Catalog # / Size: 324603 / 25 µg
324604 / 100 µg

Clone: NP4D6

Isotype: Mouse IgG1, κ

Workshop Number: HLDA8

Immunogen: HEK-293 cells transfected with human E-NPP3

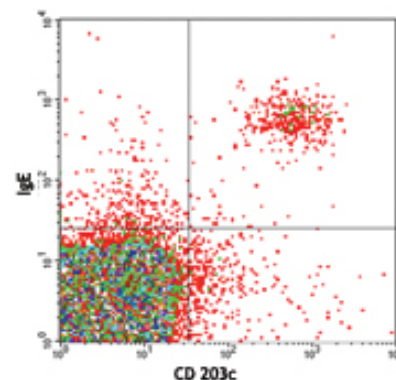
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Overnight cultured human PBMCs stained with PE anti-human IgE (MHE-1) and biotinylated anti-human CD203c (NP4D6), followed by Sav-APC (gated on lymphocyte population based on SSC vs. FSC)

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.125 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

1. Bühring HJ, *et al.* 1999. *Blood* 94:2343.
2. Bühring HJ, *et al.* 2001. *Blood* 97:3303.
3. Platz IJ, *et al.* 2001. *Int. Arch. Allergy Immunol.* 126:335.
4. Charles N, *et al.* 2010. *Nat. Med.* 16:701. (FC) PubMed
5. Gernez Y, *et al.* 2011. *Int. Arch. Allergy Immunol.* 154:318. (FC) PubMed

Description: CD203c, a transmembrane protein and a member of the ectoenzyme family, is involved in the hydrolysis of extracellular oligonucleotides, nucleoside phosphates, and NAD (possesses ATPase and ATP pyrophosphatase activity). The molecular weight of CD203c was observed to be 130 and 150 kD under reducing conditions and 270 kD under non-reducing conditions. CD203c is expressed on basophils and mast cells, and is highly expressed on activated basophils. Secretory glands in endometrium and glioma cells are also positive. CD203c is a multifunctional ectoenzyme involved in the clearance of extracellular nucleotides whose substrates include nucleoside triphosphates, nucleoside diphosphates, cAMP, and NAD.

Antigen References:

1. Yano Y, *et al.* 2003. *Int. J. Mol. Med.* 12:763.
2. Andoh K, *et al.* 1999. *Biochim. Biophys. Acta.* 1446:213.

Related Products:	Product	Clone	Application
	Biotin Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
	APC Streptavidin		FC, ICFC
	PE Streptavidin		FC, ICFC
	PE/Cy5 Streptavidin		FC, ICFC
	PE/Cy7 Streptavidin		FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



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