

Human ENPP-3/CD203c Antibody

Monoclonal Mouse IgG₁ Clone # NP4D6

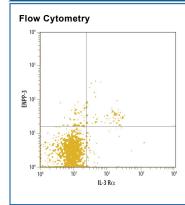
Catalog Number: MAB5756

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human ENPP-3/CD203c.
Source	Monoclonal Mouse IgG ₁ Clone # NP4D6
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human ENPP-3/CD203c Accession # O14638
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Sample Concentration
Flow Cytometry	0.25 μg/10 ⁶ cells See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.



Detection of ENPP-3/CD203c in Human IL-3Rα+ PBMCs by Flow Cytometry.

Human IL-3Rα+ peripheral blood mononuclear cells were stained with Mouse Anti-Human ENPP-3/CD203c Monoclonal Antibody (Catalog # MAB5756) followed by Allophycocyanin-conjugated Anti-Mouse IgG F(ab')₂ Secondary Antibody (Catalog # F0101B) and Human IL-3 Rα Phycoerythrinconjugated Monoclonal Antibody (Catalog # FAB301P).Quadrant markers were set based on control antibody staining (Catalog # MAB002).

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CD203c is a 150 kDa type II transmembrane glycoprotein with a short cytoplasmic tail. CD203c is also known as ectonucleotide pyrophosphatase/phosphodiesterase 3 (ENPP-3) and modulates purinergic signaling by hydrolysis of nucleotide triphosphates. CD203c is expressed on activated basophils and mast cells during allergic reactions, cardiac muscle, hepatocytes, and epithelial cells. It is upregulated in colon and bile duct carcinomas. Within the ECD, human CD203c shares 81% aa sequence identity with mouse and rat CD203.

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