Human ENPP-3/CD203c Fluorescein-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # NP4D6

Catalog Number: FAB5756F

100 TESTS

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
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

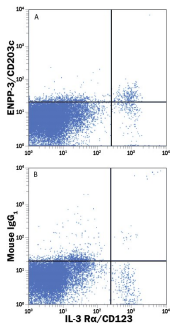
APPLICATIONS

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 Concentration	Sample
Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of ENPP-3/CD203c in Human Whole Blood Lymphocytes and Monocytes by Flow Cytometry. Human whole blood lymphocytes and monocytes were stained with Mouse Anti-Human IL-3 Rα/CD123 PE-conjugated Monoclonal Antibody (Catalog # FAB301P) and either (A) Mouse Anti-Human ENPP-3/CD203c Fluorescein-conjugated Monoclonal Antibody (Catalog # FAB5756F) or (B) Mouse IgG_1 Fluorescein Isotype Control (Catalog # IC002F). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CD203c is a 120-130 kDa type II transmembrane glycoprotein that belongs to the ectonucleotidase family, AP superfamily of enzymes. CD203c is also known as ectonucleotide pyrophosphatase/phosphodiesterase 3 (ENPP-3) and it modulates purinergic signaling by hydrolysis of nucleotide di- and tri-phosphates plus sphingosylphosphorylenosine. Although CD203c is considered to be a marker for activated basophils and mast cells, it is also found constitutively or inducibly on bile duct epithelium, hepatocytes, duodenal columnar epithelium, osteoblasts, plasmacytoid dendritic cells, airway pseudostratified ciliated columnar epithelium and renal proximal tubule S3 segment cells. Within the ECD, human CD203c shares 81% aa sequence identity with mouse and rat CD203.

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