

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	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10 ⁶ cells	Human whole blood lymphocytes and monocytes

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

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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