Datasheet for ABIN400883

anti-ENPP3 antibody (PE)

2 Images

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Overview

Quantity:	100 tests
Target:	ENPP3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ENPP3 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	HEK-293 cells transfected with human CD203c
Clone:	NP4D6
Isotype:	IgG1
Specificity:	The antibody NP4D6 reacts with CD203c, a transmembrane ectoenzyme expressed on basophils and mast cells, and overexpressed upon their activation.
Characteristics:	Synonyms: E-NPP 3, PDNP3, Phosphodiesterase I beta, PD-I beta, Ectonucleotide pyrophosphatase /phosphodiesterase family member 3, Phosphodiesterase I/nucleotide pyrophosphatase 3
Purification:	Size-Exclusion Chromatography

Target Details

Target:	ENPP3

Target Details

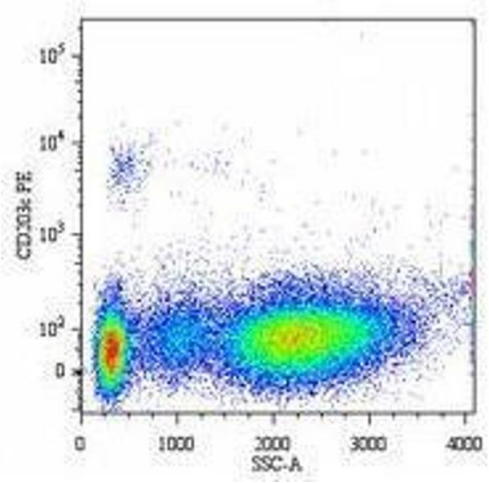
Alternative Name:	CD203c / ENPP3 (ENPP3 Products)
Background:	CD203c, also known as ENPP-3, is integral membrane ectoenzyme (ectonucleotide pyrophosphatase/phosphodiesterase 3), that hydrolyses nucleotide triphosphates and thus modulates purinergic signaling. CD203c is expressed mainly on activated basophils and mast cells. CD203c is upregulated in response to IgE-receptor cross-linking and is overexpressed on neoplastic mast cells in patients with systemic mastocytosis. Measurement of its induced enhancement on the plasma membrane is useful for diagnostics of allergies.Synonyms: E-NPP 3, Ectonucleotide pyrophosphatase / phosphodiesterase family member 3, PD-I beta, PDNP3, Phosphodiesterase I beta, Phosphodiesterase I/nucleotide pyrophosphatase 3
Gene ID:	5169
UniProt:	O14638
Pathways:	Regulation of Muscle Cell Differentiation, Negative Regulation of Transporter Activity

Application Details

Application Notes:	Flow Cytometry analysis of human blood cells using 20 µL reagent / 100 mLof whole bloodor 10^6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests. Immunoflourescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

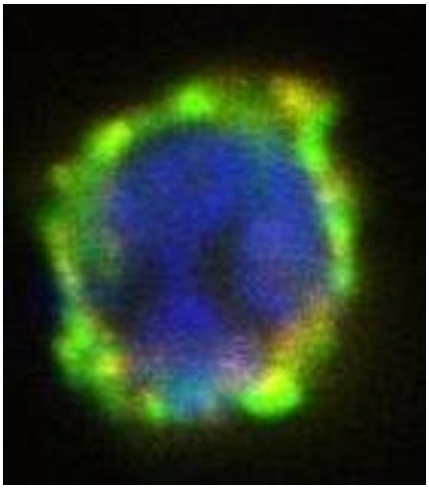
Handling

Buffer:	PBS, 15 mM Sodium Azide, 0.2 % high-grade protease free BSA as a stabilizing agent
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8 °C. Do not freeze. This antibody is photosensitive and should be protected fromlight. Shelf life: One year from despatch.
Expiry Date:	12 months



Flow Cytometry

Image 1.



Immunofluorescence

Image 2.