ARG65524
anti-CD203c / E-NPP3 antibody [NP4D6]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [NP4D6] recognizes CD203c
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF
Specificity	The mouse monoclonal antibody NP4D6 reacts with CD203c, a transmembrane ectoenzyme expressed on basophils and mast cells, and overexpressed upon their activation. HLDA VIII
Host	Mouse
Clonality	Monoclonal
Clone	NP4D6
Isotype	IgG1
Target Name	CD203c / E-NPP3
Species	Human
Immunogen	HEK-293 cells transfected with human CD203c_x000D_
Conjugation	Un-conjugated
Alternate Names	Ectonucleotide pyrophosphatase/phosphodiesterase family member 3; PDNP3; NPPase; EC 3.6.1.9; EC 3.1.4.1; PD-Ibeta; PD-IBETA; NPP3; B10; CD antigen CD203c; Phosphodiesterase I beta; E-NPP 3; Phosphodiesterase I/nucleotide pyrophosphatase 3; CD203c

Application Instructions

Application table

Application	Dilution
FACS	1 - 4 µg/ml
ICC/IF	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

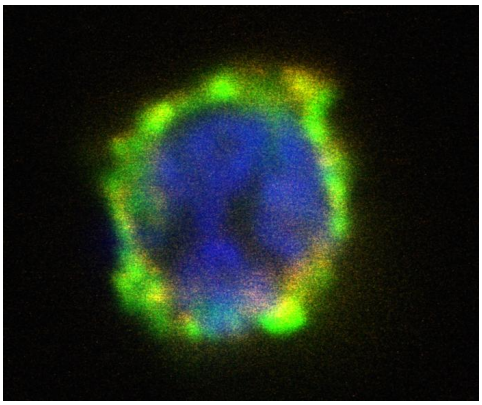
Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 5169 Human Swiss-port # O14638 Human
Gene Symbol	ENPP3
Gene Full Name	ectonucleotide pyrophosphatase/phosphodiesterase 3
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.
Function	Cleaves a variety of phosphodiester and phosphosulfate bonds including deoxynucleotides, nucleotide sugars, and NAD. [UniProt]
Research Area	Gene Regulation antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	100 kDa
PTM	N-glycosylation is necessary for correct trafficking to the apical surface, but is not the apical targeting signal.

Images



ARG65524 anti-CD203c / E-NPP3 antibody [NP4D6] ICC/IF image

Immunofluorescence: Activated human basophil stained with ARG65524 anti-CD203c / E-NPP3 antibody [NP4D6] (red).
Co-stained with anti-CD63 (green). Cell nuclei was stained with DAPI (blue).