

TECHNICAL DATA SHEET

CyFlow™ CD203c Purified Anti-Hu; Clone NP4D6

REF CJ594252

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD203c
Alternative Names	E-NPP3, PDNP3, PD-1b, B10, NPP3
Clone	NP4D6
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	HEK-293 cells transfected with human CD203c

Specificity

The mouse monoclonal antibody NP4D6 recognizes CD203c antigen, a transmembrane ectoenzyme expressed on basophils and mast cells, and overexpressed upon their activation.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunocytochemistry

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD203c (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.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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