

## Purified anti-human CD203c (E-NPP3)

**Catalog # / Size:** 324602 / 100 µg

**Clone:** NP4D6

**Isotype:** Mouse IgG1, κ

**Workshop Number:** HLDA8

**Immunogen:** HEK-293 cells transfected with human E-NPP3

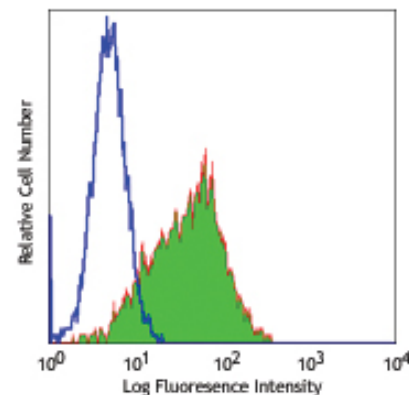
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Concentration:** 0.5 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C.



Human basophilic leukemia cell line KU-812 stained with purified NP4D6, followed by anti-mouse IgGs FITC

## Applications:

**Applications:** FC - Quality tested

**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is  $\leq 0.5 \mu\text{g}$  per  $10^6$  cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

**Application References:**

1. Bühring HJ, *et al.* 1999. *Blood* 94:2343.
2. Bühring HJ, *et al.* 2001. *Blood* 97:3303.
3. Platz IJ, *et al.* 2001. *Int. Arch. Allergy Immunol.* 126:335.
4. Charles N, *et al.* 2010. *Nat. Med.* 16:701. (FC) PubMed
5. Gernez Y, *et al.* 2011. *Int. Arch. Allergy Immunol.* 154:318. (FC) PubMed

**Description:** CD203c, a transmembrane protein and a member of the ectoenzyme family, is involved in the hydrolysis of extracellular oligonucleotides, nucleoside phosphates, and NAD (possesses ATPase and ATP pyrophosphatase activity). The molecular weight of CD203c was observed to be 130 and 150 kD under reducing conditions and 270 kD under non-reducing conditions. CD203c is expressed on basophils and mast cells, and is highly expressed on activated basophils. Secretory glands in endometrium and glioma cells are also positive. CD203c is a multifunctional ectoenzyme involved in the clearance of extracellular nucleotides whose substrates include nucleoside triphosphates, nucleoside diphosphates, cAMP, and NAD.

**Antigen References:**

1. Yano Y, *et al.* 2003. *Int. J. Mol. Med.* 12:763.
2. Andoh K, *et al.* 1999. *Biochim. Biophys. Acta.* 1446:213.

### Related Products:

**Product**  
Purified Mouse IgG1, κ Isotype Ctrl  
APC Goat anti-mouse IgG (minimal x-reactivity)  
PE Goat anti-mouse IgG (minimal x-reactivity)  
Cell Staining Buffer

**Clone**  
MOPC-21  
Poly4053  
Poly4053

**Application**  
FC, ICFC, ICC, IF, IHC, IP, WB  
FC  
FC  
FC, ICC, ICFC



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