

Brilliant Violet 510™ anti-human CD203c (E-NPP3)

Catalog # / Size: 2223105 / 25 tests
2223110 / 100 tests

Clone: NP4D6

Isotype: Mouse IgG1, κ

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

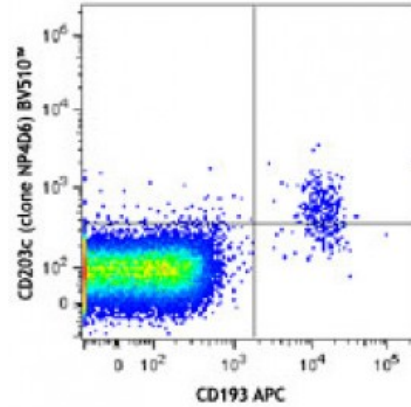
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 510™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 510™ and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: HLDA8

Concentration: Lot-specific

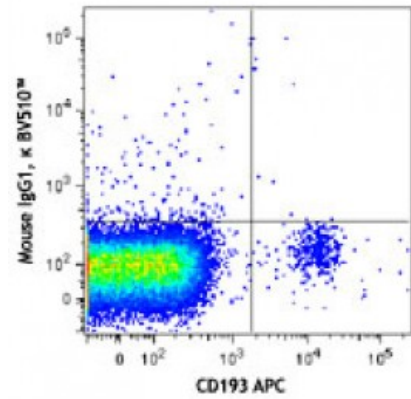


Overnight cultured human peripheral blood mononuclear cells were stained with CD193 APC and CD203c (clone NP4D6) Brilliant Violet 510™ (top) or mouse IgG1, κ Brilliant Violet 510™ isotype control (bottom). Data shown was gated on lymphoc

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Brilliant Violet 510™ excites at 405 nm and emits at 510 nm. The bandpass filter 510/50 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. **Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel.** Refer to your instrument manual or manufacturer for support. Brilliant Violet 510™ is a trademark of Sirigen Group Ltd.

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buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.

- 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](#)
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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 is between 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.