SONY

Product Data Sheet

PE/Dazzle™ 594 anti-human CD110

Catalog # / Size: 2569025 / 25 tests
2569030 / 100 tests

Clone: S16017A

Isotype: Mouse IgG2b, κ

Immunogen: Human CD110 transfectants

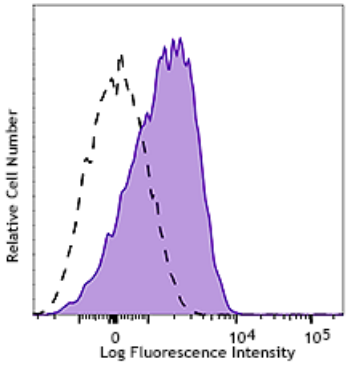
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.

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

Workshop Number: IV T-186

Concentration: Lot-specific



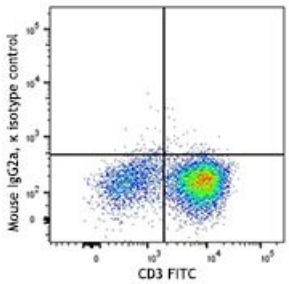
Resting human platelets were stained with PE/Dazzle™ 594 anti-human CD110 (clone S16017A; filled histogram) or with PE/Dazzle™ 594 mouse IgG2b, κ isotype control (open histogram).

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 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.



PHA-stimulated human peripheral blood mononuclear cells (3 days) were stained with CD3 FITC and anti-human CD152 (clone BNI3) Brilliant Violet 421™ (top) or mouse IgG2a, κ Brilliant Violet 421™ isotype control (bottom).

Application References:

1. Ninos JM, et al. 2006. J. Transl. Med. 16:4-9.
2. Broudy VC, et al. 1996. Blood. 88:2026-32.
3. Wang X, et al. 2016. Blood. 127:3398-409.

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Description: CD110 is a type I transmembrane glycoprotein which functions as a receptor for thrombopoietin; binding causes the proliferation and differentiation of megakaroyocytes in addition to the production of platelets and protection of stem cells from apoptosis. CD110 is primarily expressed on hematopoietic stem cells, hematopoietic precursor cells, cells of the megakaryocytic lineage, and platelets.

Antigen References:

1. Ninos JM, et al. 2006. J. Transl. Med. 16:4-9.
2. Broudy VC, et al. 1996. Blood. 88:2026-32.
3. Wang X, et al. 2016. Blood. 127:3398-409.

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