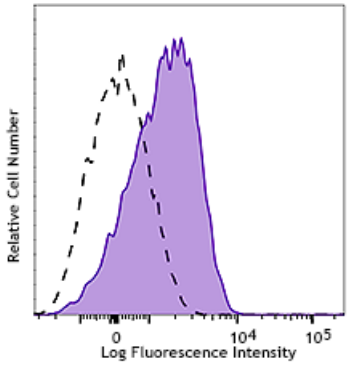
SONY

Product Data Sheet

PE/Dazzle™ 594 anti-human CD110

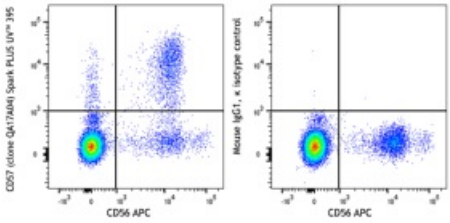
Catalog # / Size:	2569030 / 100 tests 2569025 / 25 tests
Clone:	S16017A
Isotype:	Mouse IgG2b, κ
Immunogen:	Human CD110 transfectants
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.
Formulation:	Phosphate-buffered 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.
Application Notes:	Additional reported applications (for the relevant formats) include: immunohistochemical staining of frozen tissue sections[3].



Human peripheral blood lymphocytes were stained with anti-human CD56 (clone HCD56) APC and anti-human CD57 recombinant (clone QA17A04) Spark PLUS UV™ 395 (left) or mouse IgG1, κ Spark PLUS UV™ 395 isotype control (right).

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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