SONY

Product Data Sheet

PE/Cyanine7 anti-human CD110

Catalog # / Size: 2568545 / 25 tests
2568550 / 100 tests

Clone: S16017E

Isotype: Mouse IgG2a, κ

Immunogen: Human CD110 transfectants

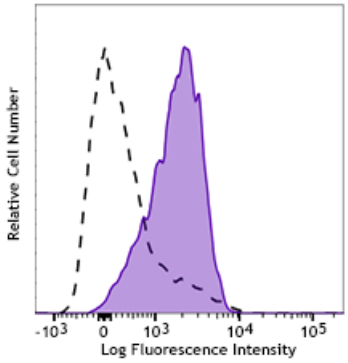
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions.

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

Workshop Number: V CD08.10

Concentration: Lot-specific



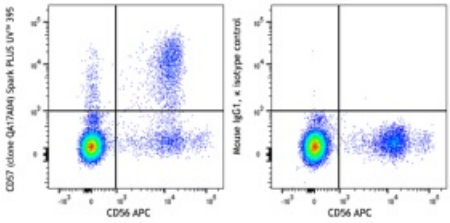
Resting human platelets were stained with PE/Cy7 anti-human CD110 (clone S16017E; filled histogram) or with PE/Cy7 mouse IgG2a, κ isotype control (open histogram).

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

Application Notes: Clone QA17A18 does not block clones 0323, M-T271, or LG.3A10, indicating a unique epitope.



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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