

**Brilliant Violet 421™ anti-human CD110**

**Catalog # / Size:** 2569055 / 25 tests  
2569060 / 100 tests

**Clone:** S16017A

**Isotype:** Mouse IgG2b, κ

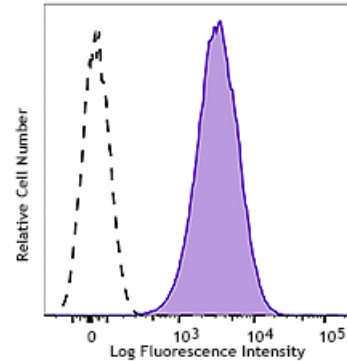
**Immunogen:** Human CD110 transfectants

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.

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

**Concentration:** Lot-specific



Resting human platelets were stained with Brilliant Violet 421™ anti-human CD110 (clone S16017A; filled histogram) or with Brilliant Violet 421™ 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.

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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**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.

**Description:** CD110 is a type I transmembrane glycoprotein which functions as a receptor for thrombopoietin; binding causes the proliferation and differentiation of megakaryocytes 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.