

Product Data Sheet

Purified anti-human CD202b (Tie2/Tek)

Catalog # / Size: 334201 / 25 µg
 334202 / 100 µg

Clone: 33.1 (Ab33)

Isotype: Mouse IgG1 κ

Immunogen: Recombinant extracellular domain of human Tie2

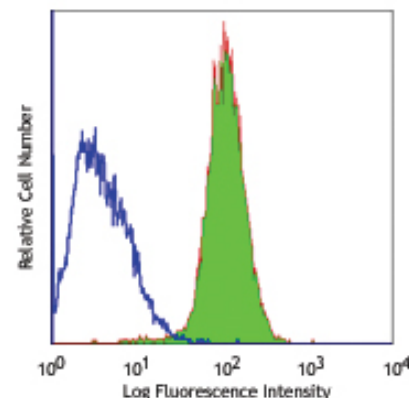
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Human endothelial cells (HUVEC) stained with purified AB33, followed by biotinylated anti-mouse IgG and Sav-PE

Applications:

Applications: FC - *Quality tested*
 IP, WB, IHC, ELISA - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.5 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications include: immunoprecipitation, Western blot, immunohistochemical staining of frozen tissue sections and ELISA

Application References: 1. Peters KG, *et al.* 1998. *Br. J. Cancer.* 77:51.
 2. Wong AL, *et al.* 1997. *Circ. Res.* 81:567.
 3. Lin P, *et al.* 1998. *P. Natl. Acad. Sci. USA* 95:8829.

Description: CD202b is a 145 kD type I transmembrane protein, also known as Tie2 or TEK. It is a member of the receptor tyrosine kinase (RTK) family of proteins and is expressed by endothelial cells and their progenitors, quiescent hematopoietic stem cells (HSCs), and a subpopulation of monocytes. Angiopoietin-1 (Ang-1) is an activator of CD202b to promote, maintain, and stabilize mature vessels and to maintain HSCs in quiescent state. Ang-2 is another ligand of CD202b, which is involved in postnatal angiogenesis and in antagonizing the effects of Ang-1. Tie2 binds to Ang-4 as well.

Antigen References: 1. De Palma M, *et al.* 2005. *Cancer Cell.* 8:211
 2. Shaw JP, *et al.* 2004. *Blood Cells Mol. Dis.* 32:168
 3. Hsu HC, *et al.* 2000. *Blood.* 96:3757
 4. Arai F, *et al.* 2004. *Cell.* 118:149

Related Products: **Product**
 Purified Mouse IgG1, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)

Clone
 MG1-45

Application
 FC, ICC, ICFC, IF, IHC, IP, WB
 FC, ICC, ICFC
 FC, ICFC



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