
Anti-Human CD202b (Tie-2) Purified

Catalog Number: 14-2029

Also known as: TEK, Angiopoietin-1 receptor

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human CD202b (Tie-2)
Purified

 **Catalog Number:** 14-2029

Clone: 33.1

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C.



 **LOT**



Batch Code: Refer to vial

Use By: Refer to vial

Description

This 33.1 monoclonal antibody reacts with human, mouse, rabbit, rat, pig, and zebrafish CD202b. Also known as Tie-2, this molecule is a member of the tyrosine kinase receptor family. CD202b is expressed on endothelial and a subset of hematopoietic cells and is believed to play a role in both angiogenesis and hematopoiesis during development of the mouse embryo. In fetal liver and adult bone marrow, Tie-2 is expressed by a subpopulation of hematopoietic progenitor cells characterized as Lineage markers-, c-Kit+, Sca1+ cells. Long-term multilineage repopulating cells were detected in Tie-2+, Lineage-, c-Kit+, Sca1+ cells but not in Tie-2-, Lineage-, c-Kit+, Sca1+ cells.

Applications Reported

This 33.1 antibody has been reported for use in western blotting.

Applications Tested

This 33.1 antibody has been tested by immunoblotting of reduced cell lysate prepared from the bEND3 cell line at less than or equal to 5 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Joo HJ, Kim H, Park SW, Cho HJ, Kim HS, Lim DS, Chung HM, Kim I, Han YM, Koh GY. Angiopoietin-1 promotes endothelial differentiation from embryonic stem cells and induced pluripotent stem cells. *J Immunol.* 2011 Apr 1;186(7):4183-90.

Wehrle C, Van Slyke P, Dumont DJ. Angiopoietin-1-induced ubiquitylation of Tie2 by c-Cbl is required for internalization and degradation. *Biochem J.* 2009 Oct 12;423(3):375-80. (**33.1**, WB)

Nguyen VP, Chen SH, Trinh J, Kim H, Coomber BL, Dumont DJ. Differential response of lymphatic, venous and arterial endothelial cells to angiopoietin-1 and angiopoietin-2. *BMC Cell Biol.* 2007 Mar 6;8:10. (**33.1**, WB)

Hsu HC, Ema H, Osawa M, Nakamura Y, Suda T, Nakauchi H. Hematopoietic stem cells express Tie-2 receptor in the murine fetal liver. *Blood.* 2000 Dec 1;96(12):3757-62.

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

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