

Product Information

Contents: Phycoerythrin (PE) anti-mouse Flk-1 (VEGF-R2, VEGFR2, Ly-73)

Catalog Number: 12-5821

Sizes: 50 ug, 100 ug, 200 ug

Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN₃

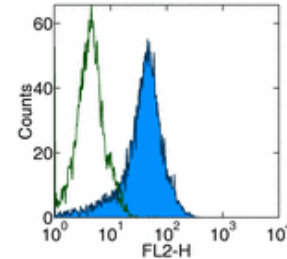
Storage Conditions: Store at 4°C.

DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: Avas12a1

Isotype: Rat IgG2a, κ



Surface staining of bEnd.3 cells with anti-mouse Flk-1 (Avas12a1) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-5821	PE anti-mouse Flk-1 (VEGF-R2, VEGFR2, Ly-73)	488	575	FC
13-5821	Biotin anti-mouse Flk-1 (VEGF-R2, VEGFR2, Ly-73)	N/A	N/A	FC
14-5821	Affinity Purified anti-mouse Flk-1 (VEGF-R2, VEGFR2, Ly-73)	N/A	N/A	FC IHC WB

Description

The Avas12a1 monoclonal antibody reacts with mouse Flk-1, also known as vascular endothelial growth factor receptor 2 (VEGFR2). Flk-1 is a receptor tyrosine kinase involved in vascular endothelial tissue development and is expressed on endothelial cells during embryonic stages and some endothelial tissues in the adult.

Usage

For research use only, not for diagnostic or therapeutic use. The Avas12a1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The Avas12a1 antibody has been tested by flow cytometric analysis of *in vitro* differentiated mouse endothelial cells. In brief, mouse ES cells were incubated on collagen IV matrix for 4 days and subsequently stimulated with VEGF under serum free conditions to induce further differentiation. This can be used at less than or equal to 0.5 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 12-4321 PE Rat IgG2a Isotype Control

Cat. 13-5821 Biotin anti-mouse Flk-1 (VEGF-R2, VEGFR2, Ly-73) (clone Avas12a1)

Cat. 14-5821 Affinity Purified anti-mouse Flk-1 (VEGF-R2, VEGFR2, Ly-73) (clone Avas12a1)

References

Kataoka, H., N. Takakura, et al. (1997). "Expressions of PDGF receptor alpha, c-Kit and Flk1 genes clustering in mouse chromosome 5 define distinct subsets of nascent mesodermal cells." *Dev Growth Differ* 39(6): 729-40.

