

Biotin anti-mouse CD309 (VEGFR2, Flk-1)

Catalog # / Size: 136409 / 50 µg
136410 / 500 µg

Clone: Avas12

Isotype: Rat IgG2a, κ

Immunogen: Murine Flk1 fused to hlgG Fc

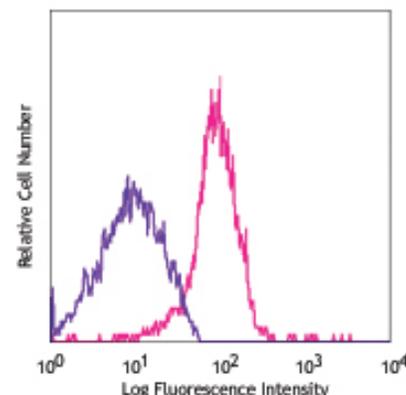
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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 and protected from prolonged exposure to light. **Do not freeze.**



bEnd.3 mouse endothelial cells stained with biotinylated Avas12, followed by Sav-PE

Applications:

Applications: FC - Quality tested

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 ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Avas12 recognizes a different epitope than clone 89B3A5.

Application References: 1. Kataoka H, *et al.* 1997. *Dev. Growth Differ.* 39:729.
2. Sorace AG, *et al.* 2012. *J Ultrasound Med.* 31:1543. PubMed.

Description: CD309 is also known as vascular endothelial growth factor receptor 2 (VEGFR2) and fetal liver kinase-1 (Flk-1). CD309 is a member of the tyrosine protein kinase family that contains a single pass transmembrane receptor with a protein kinase domain and seven immunoglobulin-like domains in the extracellular region. CD309 is expressed at high levels in adult heart, lung, kidney, brain, and skeletal muscle. It's a receptor for VEGF or VEGFC, and plays an important role in the development of vascular endothelial cells, hematopoietic cells, and vascular permeability.

Antigen References: 1. Kaburn N, *et al.* 1997. *Development.* 124:2039
2. Patterson C, *et al.* 1995. *J. Bio. Chem.* 270:23111
3. Nishikawa SI, *et al.* 1998. *Immunity* 8 (6):761
4. Shalaby F, *et al.* 1997. *Cell.* 89 (6):981

Related Products:	Product	Clone	Application
	Cell Staining Buffer		FC, ICC, ICFC
	Biotin Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC
	TruStain fcX™ (anti-mouse CD16/32)	93	FC



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