

CD309 (FLK1) Monoclonal Antibody (Avas12a1), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Dog, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Avas12a1
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466711

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (IHC)	-	6 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.5 µg/test	32 Publications
Functional Assay (FN)	-	1 Publication
Peptide array (Array)	-	1 Publication
Miscellaneous PubMed (Misc)	-	7 Publications

Product Specific Information

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.

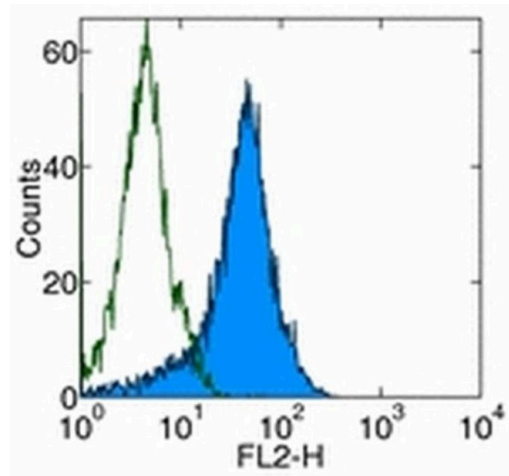
Applications Reported: The Avas12a1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The Avas12a1 antibody has been tested by flow cytometric analysis of bEnd.3 cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended

that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD309 (FLK1) Monoclonal Antibody (Avas12a1), Biotin, eBioscience™



CD309 (FLK1) Antibody (13-5821-82) in Flow
Staining of bEnd-3 cell line with Anti-Mouse CD309 (FLK1) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

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Western Blot (2)

<p>Stem cells and development</p> <p>Nkx2-5 mediates differential cardiac differentiation through interaction with Hoxa10.</p> <p>"Published figure using CD309 (FLK1) monoclonal antibody (Product # 13-5821-82) in Flow Cytometry"</p> <p>Authors: Behrens AN,Iacovino M,Loehr JL,Ren Y,Zierold C,Harvey RP,Kyba M,Garry DJ,Martin CM</p>	<p>Year 2013</p>
<p>Genesis (New York, N.Y. : 2000)</p> <p>Etv2 rescues Flk1 mutant embryoid bodies.</p> <p>"Published figure using CD309 (FLK1) monoclonal antibody (Product # 13-5821-82) in Flow Cytometry"</p> <p>Authors: Rasmussen TL,Martin CM,Walter CA,Shi X,Perlingeiro R,Koyano-Nakagawa N,Garry DJ</p>	<p>Year 2013</p> <p>Species Human</p>

Immunohistochemistry (6)

<p>JCI insight</p> <p>Sustained inflammation after pericyte depletion induces irreversible blood-retina barrier breakdown.</p> <p>"Published figure using CD309 (FLK1) monoclonal antibody (Product # 13-5821-82) in Immunohistochemistry"</p> <p>Authors: Ogura S,Kurata K,Hattori Y,Takase H,Ishiguro-Oonuma T,Hwang Y,Ahn S,Park I,Ikeda W,Kusuhara S, Fukushima Y,Nara H,Sakai H,Fujiwara T,Matsushita J,Ema M,Hirashima M,Minami T,Shibuya M,Takakura N,Kim P, Miyata T,Ogura Y,Uemura A</p>	<p>Year 2017</p>
<p>PloS one</p> <p>Activation of the canonical bone morphogenetic protein (BMP) pathway during lung morphogenesis and adult lung tissue repair.</p> <p>"Published figure using CD309 (FLK1) monoclonal antibody (Product # 13-5821-82) in Immunofluorescence"</p> <p>Authors: Sountoulidis A,Stavropoulos A,Giaglis S,Apostolou E,Monteiro R,Chuva de Sousa Lopes SM,Chen H,Stripp BR,Mummary C,Andreakos E,Sideras P</p>	<p>Year 2013</p> <p>Species Dog</p>

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More applications with references on thermofisher.cn

- IHC (P) (1)
- IHC (PFA) (1)
- ICC/IF (2)
- Flow (32)
- FN (1)
- Array (1)
- Misc (7)

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