

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

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Dog, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	Avas12a1
Conjugate	Unconjugated
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
RRID	AB_467623

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	-
Immunohistochemistry (IHC)	Assay-Dependent	8 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.5 µg/test	20 Publications
Peptide array (Array)	-	1 Publication

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, immunoblotting (WB), and immunohistochemical staining.

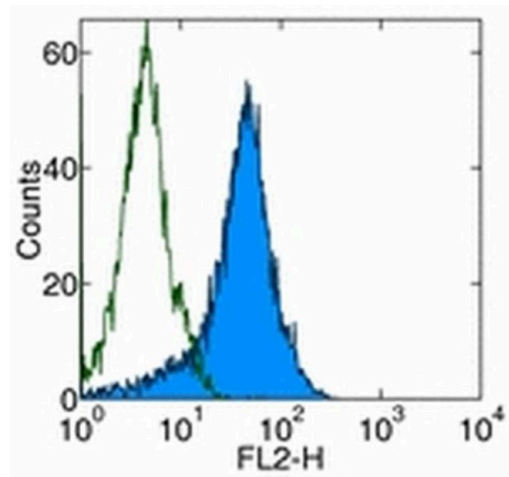
Applications Tested: This Avas12a1 antibody has been tested by flow cytometric analysis of bEnd.3 cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined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

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD309 (FLK1) Antibody (14-5821-82) in Flow
Surface 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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Immunohistochemistry (8)

JCI insight	Year 2017
Sustained inflammation after pericyte depletion induces irreversible blood-retina barrier breakdown.	
"Published figure using CD309 (FLK1) monoclonal antibody (Product # 14-5821-82) in Immunohistochemistry"	
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	
Development (Cambridge, England)	Year 2014
SOX9 accelerates ESC differentiation to three germ layer lineages by repressing SOX2 expression through P21 (WAF1/CIP1).	Species Mouse
"Published figure using CD309 (FLK1) monoclonal antibody (Product # 14-5821-82) in Flow Cytometry"	
Authors: Yamamizu K,Schlessinger D,Ko MS	

View more IHC references on thermofisher.com

Immunohistochemistry (Paraffin) (2)

Molecular carcinogenesis	Year 2016
Endothelial cell-anchored tissue factor pathway inhibitor regulates tumor metastasis to the lung in mice.	
"Published figure using CD309 (FLK1) monoclonal antibody (Product # 14-5821-82) in Immunohistochemistry (Paraffin)"	
Authors: Wang J,Xiao J,Wen D,Wu X,Mao Z,Zhang J,Ma D	
Cardiovascular research	Year 2010
The effects of VEGF-R1 and VEGF-R2 ligands on angiogenic responses and left ventricular function in mice.	Species Mouse
"14-5821 was used in Immunohistochemistry on paraffin embedded tissues to analyse the angiogenic properties of ligands for different VEGF receptors in mouse myocardium."	
Authors: Huusko J,Merentie M,Dijkstra MH,Ryhänen MM,Karvinen H,Rissanen TT, Vanwildemeersch M,Hedman M, Lipponen J,Heinonen SE,Eriksson U,Shibuya M,Ylä-Herttuala S	

More applications with references on thermofisher.com

- IHC (PFA) (1)
- ICC/IF (2)
- Flow (20)
- Array (1)

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