

CD309 (FLK1) Monoclonal Antibody (Avas12a1), Alexa Fluor™ 700, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Dog, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Alexa Fluor™ 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Avas12a1
Conjugate	Alexa Fluor™ 700
Excitation/Emission Max	696/719 nm
Form	Liquid
Concentration	0.2 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_529564

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	6 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1 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: This Avas12a1 antibody has been reported for use in flow cytometric analysis.

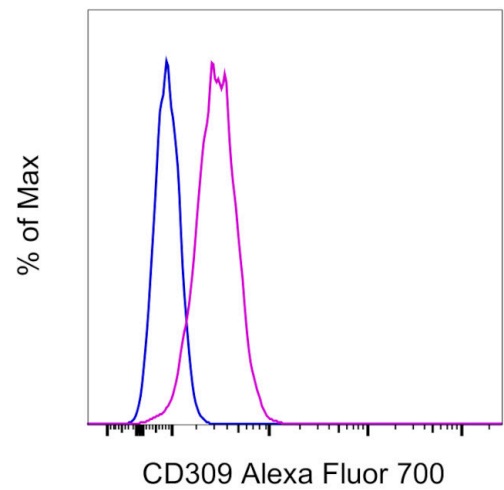
Applications Tested: This Avas12a1 antibody has been tested by flow cytometric analysis of bEND3 endothelial cell line. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should 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.

Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD309 (FLK1) Monoclonal Antibody (Avas12a1), Alexa Fluor™ 700, eBioscience™



CD309 (FLK1) Antibody (56-5821-81) in Flow
BEnd.3 cells were stained with 0.5 µg of Rat IgG2a kappa Isotype Control, Alexa Fluor 700 (Product # 56-4321-80) (blue histogram) or 0.5 µg of CD309 (FLK1) Monoclonal Antibody, Alexa Fluor 700 (purple histogram). Total cells were used for analysis.

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Immunohistochemistry (6)

JCI insight	Year 2017
Sustained inflammation after pericyte depletion induces irreversible blood-retina barrier breakdown.	
"Published figure using CD309 (FLK1) monoclonal antibody (Product # 56-5821-81) 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	
PloS one	Year 2013
Activation of the canonical bone morphogenetic protein (BMP) pathway during lung morphogenesis and adult lung tissue repair.	Species Dog
"Published figure using CD309 (FLK1) monoclonal antibody (Product # 56-5821-81) in Immunofluorescence"	
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	

View more IHC references on thermofisher.cn

Immunohistochemistry (Paraffin) (1)

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 # 56-5821-81) in Immunohistochemistry (Paraffin)"	
Authors: Wang J,Xiao J,Wen D,Wu X,Mao Z,Zhang J,Ma D	

Immunohistochemistry (PFA fixed) (1)

PloS one	Year 2013
Activation of the canonical bone morphogenetic protein (BMP) pathway during lung morphogenesis and adult lung tissue repair.	Species Dog
"Published figure using CD309 (FLK1) monoclonal antibody (Product # 56-5821-81) in Immunofluorescence"	
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	

More applications with references on thermofisher.cn

- ICC/IF (1)
- Flow (20)
- Array (1)

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