

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

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Avas12a1
Conjugate	APC
Excitation/Emission Max	651/660 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_657866

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	39 Publications
Miscellaneous PubMed (Misc)	-	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.

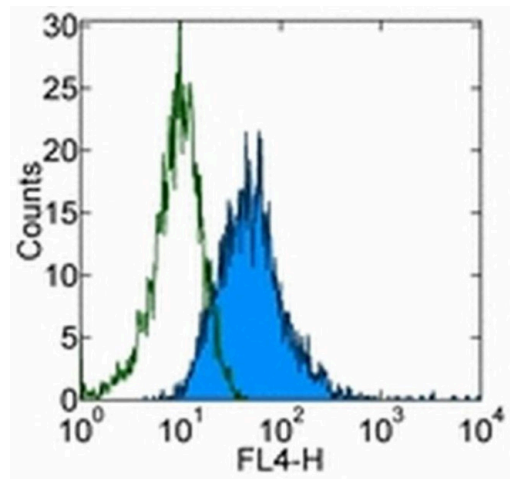
Applications Reported: This Avas12a1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This Avas12a1 antibody has been tested by flow cytometric analysis of 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.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD309 (FLK1) Antibody (17-5821-81) in Flow
Staining of the bEnd-3 cell line with 0.25 µg of Rat IgG2a K Isotype Control APC (Product # 17-4321-81) (open histogram) or 0.25 µg of Anti-Mouse CD309 (FLK1) APC (filled histogram). Total viable cells were used for analysis.

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40 References

Flow Cytometry (39)

<p>Nature communications</p> <p>Lamin A/C-dependent chromatin architecture safeguards naïve pluripotency to prevent aberrant cardiovascular cell fate and function.</p> <p>"Published figure using CD309 (FLK1) monoclonal antibody (Product # 17-5821-81) in Flow Cytometry"</p> <p>Authors: Wang Y,Elsherbiny A,Kessler L,Cordero J,Shi H,Serke H,Lityagina O,Trogisch FA,Mohammadi MM,El-Battrawy I,Backs J,Wieland T,Heineke J,Dobrev a G</p>	<p>Year</p> <p>2022</p>
<p>Nature communications</p> <p>SCL/TAL1 cooperates with Polycomb RYBP-PRC1 to suppress alternative lineages in blood-fated cells.</p> <p>"Published figure using CD309 (FLK1) monoclonal antibody (Product # 17-5821-81) in Flow Cytometry"</p> <p>Authors: Chagraoui H,Kristiansen MS,Ruiz JP,Serra-Barros A,Richter J,Hall-Ponselé E,Gray N,Waith e D,Clark K,Hublitz P,Repapi E,Otto G,Sopp P,Taylor S,Thongjuea S,Vyas P,Porcher C</p>	<p>Year</p> <p>2018</p>

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Miscellaneous PubMed (1)

<p>Scientific reports</p> <p>Iron deficiency disrupts embryonic haematopoiesis but not the endothelial to haematopoietic transition.</p> <p>"17-5821-81 was used in Magnetic cell separation to explore how cellular iron status affects embryonic haematopoiesis."</p> <p>Authors: Shvartsman M,Bilican S,Lancrin C</p>	<p>Year</p> <p>2019</p> <p>Species</p> <p>Mouse</p>
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