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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Avas12a1
Conjugate	PE
Excitation/Emission Max	565/576 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_465967

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	45 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.

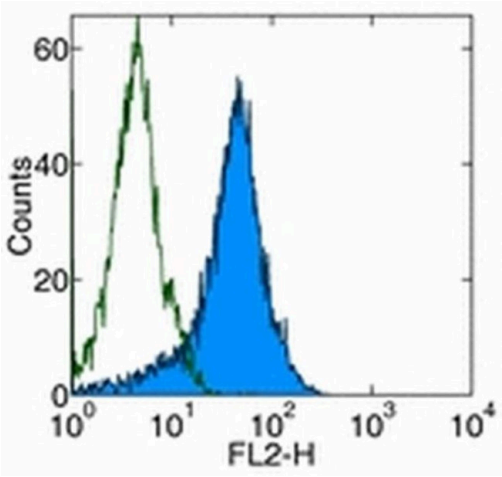
Applications Reported: The Avas12a1 antibody has been reported for use in flow cytometric analysis.

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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD309 (FLK1) Antibody (12-5821-82) in Flow
Staining of bEnd-3 cell line with 0.5 µg of Rat IgG2a K Isotype Control PE (Product # 12-4321-80) (open histogram) or 0.5 µg of Anti-Mouse CD309 (FLK1) PE (filled histogram). Total viable cells were used for analysis.

View more figures on thermofisher.com

45 References

Flow Cytometry (45)

Nature communications

Lamin A/C-dependent chromatin architecture safeguards naïve pluripotency to prevent aberrant cardiovascular cell fate and function.

"Published figure using CD309 (FLK1) monoclonal antibody (Product # 12-5821-82) in Flow Cytometry"

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,Dobreva G

Year
2022

Oncoimmunology

Arginase inhibition suppresses lung metastasis in the 4T1 breast cancer model independently of the immunomodulatory and anti-metastatic effects of VEGFR-2 blockade.

"12-5821 was used in Flow cytometry/Cell sorting to investigate the effect of VEGF/VEGFR-2 axis inhibition on lung metastasis, myeloid-derived suppressor cells and regulatory T cells."

Authors: Secondini C,Coquoz O,Spagnuolo L,Spinetti T,Peyvandi S,Ciarloni L,Botta F,Bourquin C,Rüegg C

Year
2021

Species
Mouse

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

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