

# Product Datasheet

## VEGFR3/Flt-4 Antibody (AFL4) - BSA Free NBP1-43259-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NBP1-43259-0.1mg**

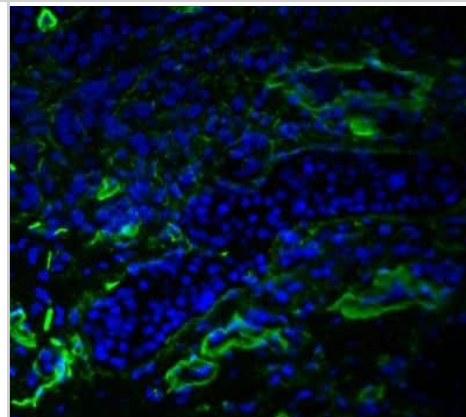
VEGFR3/Flt-4 Antibody (AFL4) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	AFL4
Preservative	0.09% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)
Product Description	
Host	Rat
Gene ID	2324
Gene Symbol	FLT4
Species	Mouse
Reactivity Notes	This antibody is reactive to Mouse.
Immunogen	The immunogen for this antibody was VEGFR3.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Dual RNAscope ISH-IHC
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen, Dual RNAscope ISH-IHC
Application Notes	The AFL4 antibody has been tested by flow cytometric analysis of in vitro differentiated mouse endothelial cells. In brief, mouse ES cells were incubated on collagen IV matrix for 4 days and subsequently stimulated with VEGF under serum free conditions to induce further differentiation. Dual ISH-IHC validation (PMID: 31083674).

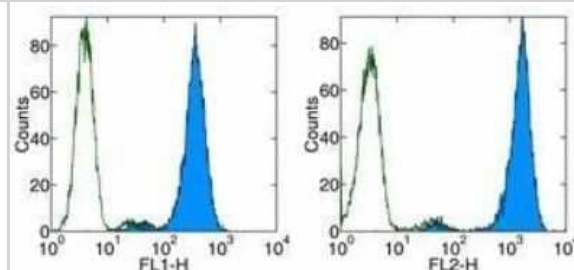


## Images

Immunohistochemistry-Frozen: VEGFR3/Flt-4 Antibody (AFL4) [NBP1-43259] - VEGFR-3 (green) was detected in murine cancer using VEGFR-3-AlexaFluor488 antibody (1:50; 1 hour) in PBS. Nuclei were stained with DAPI (blue). Tissue was fixed in acetone. Image from a verified customer review using the Alexa Fluor488 version of this VEGFR-3 antibody.



Flow Cytometry: VEGFR3/Flt-4 Antibody (AFL4) [NBP1-43259] - Surface staining of MC/9 cell line with Anti-Mouse Fc epsilon Receptor I alpha (Fc epsilon R1) FITC (left) and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.



## Publications

Cho S, Roh K, Park J et al. Hydrolysis of Hyaluronic Acid in Lymphedematous Tissue Alleviates Fibrogenesis via TH1 Cell-Mediated Cytokine Expression. *Sci Rep* 2017-12-01 [PMID: 28232732]

Mertlitz S Angiogenesis in Graft-versus-Host Disease Thesis 2020-01-01 (FLOW, Mouse)

Norman TA Jr, Gower AC, Chen F et al.

Transcriptional landscape of pulmonary lymphatic endothelial cells during fetal gestation. *PLoS One*. 2019-05-13 [PMID: 31083674] (Dual ISH-IHC, Mouse)



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HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP1-43321-0.5mg	Rat IgG2a Kappa Light Chain Isotype Control (R2a)
NBP1-43259AF488	VEGFR3/Flt-4 Antibody (AFL4) [Alexa Fluor® 488]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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