

For Research Use Only

Vegfa Recombinant antibody

Catalog Number: 82864-7-RR



Basic Information

Catalog Number: 82864-7-RR	GenBank Accession Number: NM_001287056	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 22339	CloneNo.: 2I18
Source: Rabbit	Full Name: vascular endothelial growth factor A	Recommended Dilutions: IF/ICC 1:220-1:880
Isotype: IgG		

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : NIH/3T3 cells,
Species Specificity: mouse	

Background Information

Vegfa is a member of the PDGF/VEGF growth factor family. It is a mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis, endothelial cell growth, promoting cell migration, and inhibiting apoptosis. It binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. It may play a role in increasing vascular permeability during lactation, when increased transport of molecules from the blood is required for efficient milk protein synthesis.

Storage

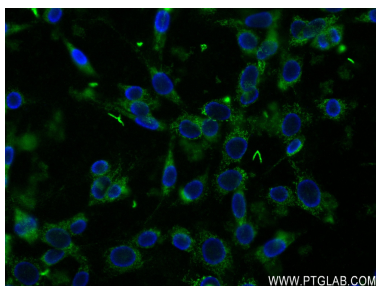
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

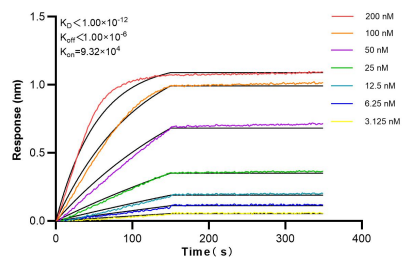
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using Vegfa antibody (82864-7-RR, Clone: 2I18) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 82864-7-RR against Mouse Vegfa were performed. The affinity constant is below 1 pM.