

For Research Use Only

Vegfa Recombinant antibody

Catalog Number:82864-7-RR



Basic Information

Catalog Number:

82864-7-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001287056

GeneID (NCBI):

22339

Full Name:

vascular endothelial growth factor A

Purification Method:

Protein A purification

CloneNo.:

2I18

Recommended Dilutions:

IF/ICC 1:220-1:880

Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

mouse

Positive Controls:

IF/ICC : NIH/3T3 cells,

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

For technical support and original validation data for this product please contact:

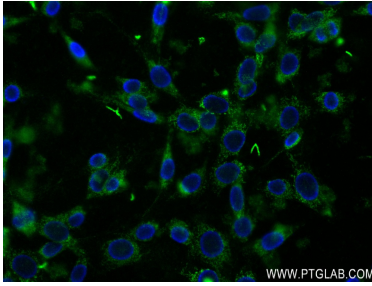
T: 4006900926

E: Proteintech-CN@ptglab.com

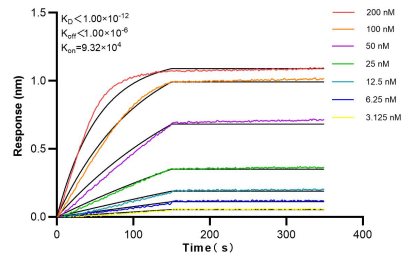
W: ptgcn.com

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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).



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