For Research Use Only

Anti-Rat VEGFR1/Flt-1 Rabbit Recombinant Antibody, PBS Only

Catalog Number:98418-2-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
98418-2-PBS

Size:
1mg , 2 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1167

GenBank Accession Number:

GeneID (NCBI):
54251

UNIPROT ID:
P53767

Full Name:
fms-related tyrosine kinase 1

Purification Method:
Protein A purification

CloneNo.:
242311D5

Applications

Tested Applications:
FC (Intra)

Species Specificity:
rat

Background Information

Vascular endothelial growth factor receptor-1 (VEGFR-1, FLT-1) is a receptor tyrosine kinase belonging to the VEGFR family. VEGF is a key regulator of physiological angiogenesis and has also been implicated in pathological angiogenesis associated with tumors, intraocular neovascular disorders, and other conditions. The biological effects of VEGF are mediated by VEGFR-1 and VEGFR-2. Both the two receptors have seven immunoglobulin-like repeats in the extracellular domain, a single transmembrane region and a tyrosine kinase domain. VEGFR-1 binds VEGFA, PlGF, and VEGFB, and plays an essential role in the development of embryonic vasculature, the regulation of angiogenesis, cell survival, cell migration, macrophage function, chemotaxis, and cancer cell invasion.

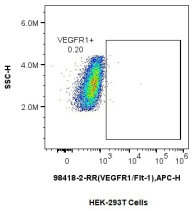
Storage

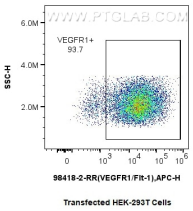
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

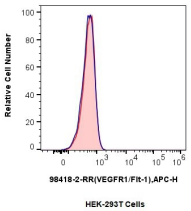
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

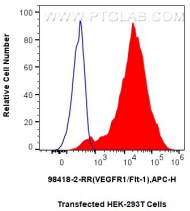
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



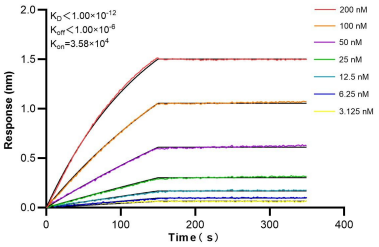






1x10^6 HEK-293T cells or VEGFR1/Flt-1 transfected HEK-293T cells were intracellularly stained with 0.25 ug Anti-Rat VEGFR1/Flt-1 Rabbit RecAb (98418-2-RR, Clone:242311D5) and Multi-rAb CoraLite ® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 98418-2-PBS in a different storage

1x10^6 HEK-293T cells or VEGFR1/Flt-1 transfected HEK-293T cells were intracellularly stained with 0.25 ug Anti-Rat VEGFR1/Flt-1 Rabbit RecAb (98418-2-RR, Clone: 242311D5) and Multi-rAb CoraLite ® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data



Biolayer interferometry (BLI) kinetic assays of 98418-2-RR against Rat VEGFR1/Flt-1 were performed. The affinity constant is below 1 pM.