

For Research Use Only

# Anti-Human FLT4/VEGFR3 Rabbit Recombinant Antibody

Catalog Number: 98633-1-RR



## Basic Information

<b>Catalog Number:</b> 98633-1-RR	<b>GenBank Accession Number:</b> NM_182925	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , 1000 µg/ml	<b>GeneID (NCBI):</b> 2324	<b>CloneNo.:</b> 242430C2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P35916-1	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> fms-related tyrosine kinase 4	
<b>Immunogen Catalog Number:</b> EG2494	<b>Calculated MW:</b> 153kd	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : HEL cells, HUVEC cells
<b>Species Specificity:</b> human	

## Background Information

FLT4, also named VEGFR-3, belongs to the protein kinase superfamily, Tyr protein kinase family, and CSF-1/PDGF receptor subfamily. It is a receptor for VEGFC. FLT4 has a tyrosine-protein kinase activity. Defects in FLT4 cause lymphedema hereditary type 1 (LYH1A). Defects in FLT4 are found in juvenile hemangioma. VEGFR-3 is a highly glycosylated protein and migrates as bands with different molecular weights: an ~175 kDa precursor, an ~195 kDa mature form, an ~140 kDa non-glycosylated backbone, and a form that appears to be partially cleaved proteolytically in the extracellular domain to produce an ~125 kDa band(PMID: 15389531).

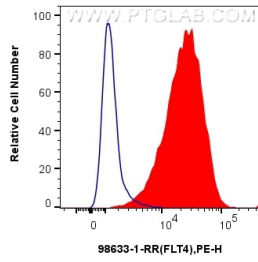
## Storage

**Storage:**  
Store at 2 - 8°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

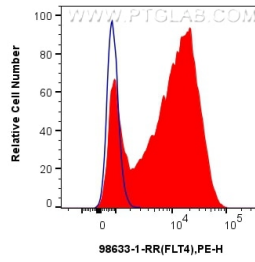
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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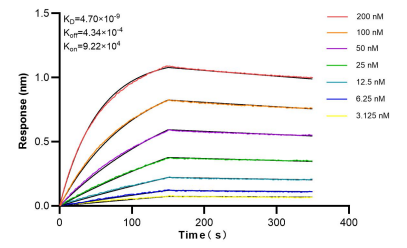
## Selected Validation Data



1x10<sup>6</sup> HEL cells were surface stained with 0.25 ug Anti-Human FLT4/VEGFR3 Rabbit RecAb (98633-1-RR, Clone:242430C2) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



1x10<sup>6</sup> HUVEC cells were surface stained with 0.25 ug Anti-Human FLT4/VEGFR3 Rabbit RecAb (98633-1-RR, Clone:242430C2) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 98633-1-RR against Human FLT4/VEGFR3 were performed. The affinity constant is 4.70 nM.