

## Mouse Anti-sFlt1 antibody

SLM-41611M

<b>Product Name</b>	sFlt1
<b>Chinese Name</b>	可溶性血管内皮生长因子受体 1 单克隆抗体
<b>Alias</b>	Vascular endothelial growth factor receptor 1; VEGF-R1; VEGFR-1; VEGF Receptor 1; FLT-1; vascular permeability factor receptor; vascular endothelial growth factor receptor; vascular endothelial growth factor receptor-1; fms-related tyrosine kinase 1; vascular endothelial growth factor/vascular permeability factor receptor; AI323757; FLT; FLT1; sFlt1; VGFR1_HUMAN; VGFR1_MOUSE.
<b>Research Area</b>	Tumour Cell biology immunology Developmental biology Neurobiology Growth factors and hormones Kinases and Phosphatases The cell membrane 受体 Cell Surface Molecule
<b>Immunogen Species</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>React Species</b>	Human(predicted:Mouse)
<b>Applications</b>	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Theoretical molecular weight</b>	147kDa
<b>Cellular localization</b>	cytoplasmic The cell membrane Secretory protein
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	Recombinant human VEGFR1 protein: 27-687/687
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Buffer Solution</b>	1M PBS(pH7.4)
<b>Storage</b>	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
<b>Attention</b>	This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

**PubMed**

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PKR is an interferon-inducible serine/threonine specific protein kinase. It is widely expressed in eukaryotic organisms and activated by double stranded RNA. Activation of PKR by dsRNAs leads to autophosphorylation at multiple sites. Phosphorylation of Thr446 and Thr451 in the PKR activation loop is required in vivo and in vitro for high level kinase activity. PKR phosphorylates its natural substrate, the alpha subunit of eukaryotic protein synthesis initiation factor 2 (EIF2 alpha), leading to the inhibition of protein synthesis. PKR is also involved in TLR signaling and mediates apoptosis in fibroblasts in response to viral infection and inflammatory cytokines, and also activates IKK and NFkB, thereby suppressing apoptosis. Recently, it has been reported that PKR also phosphorylates human p53 on serine 392. PKR might play a role in ER stress-induced apoptosis and in Alzheimer's disease. Alzheimer cases show prominent PKR activation in association with neuritic plaques and pyramidal neurons in the hippocampus and neocortex.

**Product Detail**

**SWISS:**  
P17948-2

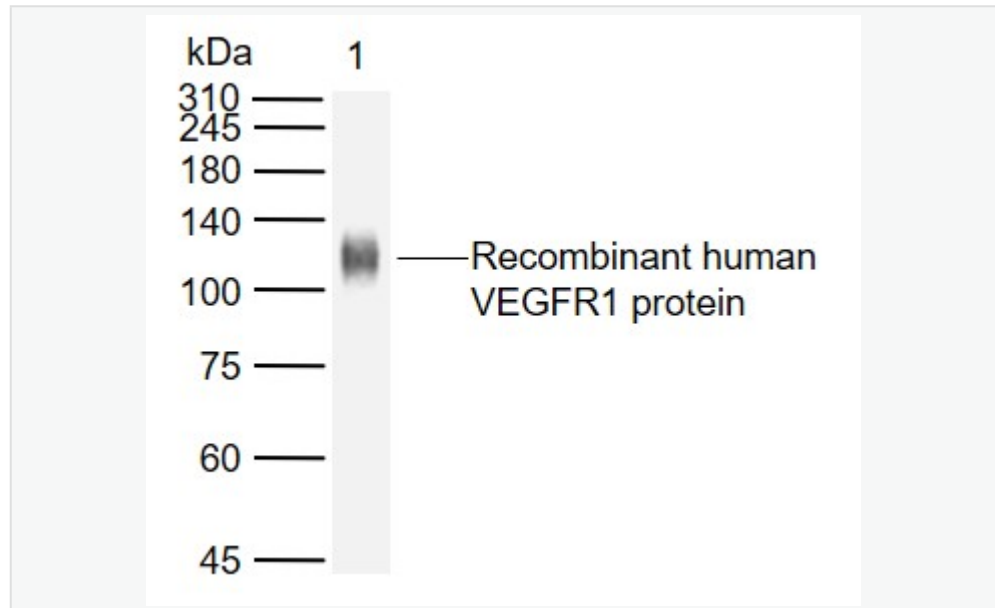
**Gene ID:**  
2321

**Database links:**

[Entrez Gene: 2321](#) Human

[SwissProt: P17948](#) Human

**Product Picture**



Sample:

Lane 1: Recombinant human VEGFR1 protein, C-His (HEK293)

Primary: Anti-sFlt1 (SLM-41611M) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 147 kDa

Observed band size: 110 kDa