

Datasheet for ABIN6253654

FLT1 Protein (AA 23-759) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FLT1
Protein Characteristics:	AA 23-759
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FLT1 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 23-759
Characteristics:	This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 109.8 kDa. The protein migrates as 140 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>85 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.1 EU per µg by the LAL method.

Target Details

Target:	FLT1
Alternative Name:	VEGF R1 (FLT1 Products)

Target Details

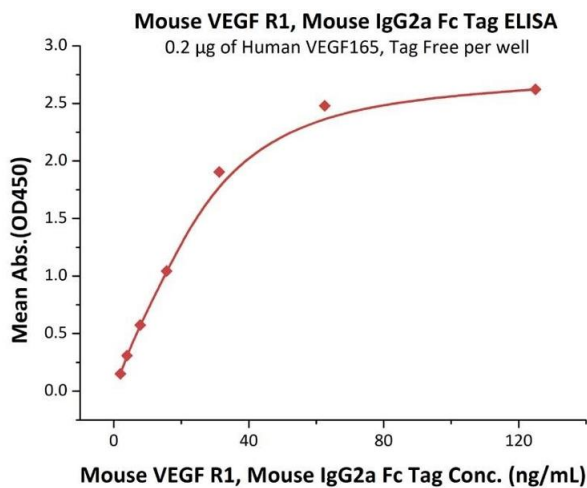
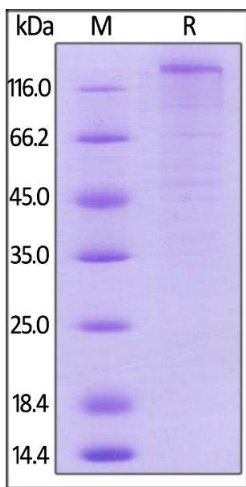
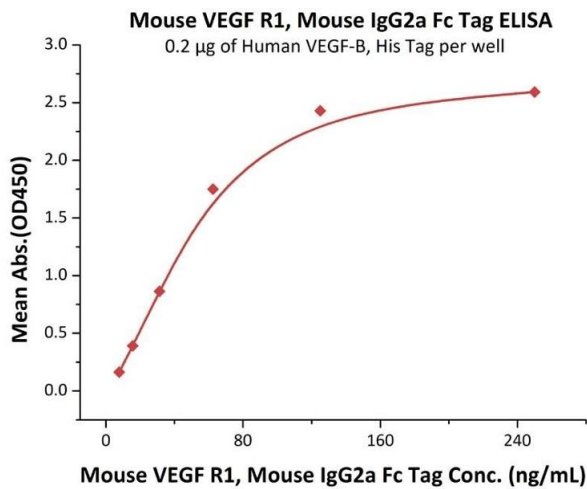
Background:	Vascular endothelial growth factor receptor 1 (VEGFR1) is also known as Fms-like tyrosine kinase 1 (FLT-1), Tyrosine-protein kinase receptor FLT, is a single-pass type I membrane protein and secreted protein which belongs to the protein kinase superfamily, Tyr protein kinase family and CSF-1/PDGF receptor subfamily. VEGFR1 is detected in normal lung, but also in placenta, liver, kidney, heart and brain tissues and specifically expressed in most of the vascular endothelial cells, and also expressed in peripheral blood monocytes. VEGFR1 acts as a cell-surface receptor for VEGFA, VEGFB and PGF, 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. VEGFR1 may play an essential role as a negative regulator of embryonic angiogenesis by inhibiting excessive proliferation of endothelial cells. VEGFR1 can promote endothelial cell proliferation, survival and angiogenesis in adulthood.
Molecular Weight:	109.8 kDa
NCBI Accession:	NP_034358
Pathways:	RTK Signaling , Signaling Events mediated by VEGFR1 and VEGFR2 , VEGFR1 Specific Signals

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



ELISA

Image 1. Immobilized Human VEGF-B, His Tag (ABIN2181909,ABIN3071762) at 2 µg/mL (100 µL/well) can bind Mouse VEGF R1, Mouse IgG2a Fc Tag, low endotoxin (ABIN5674650,ABIN6253654) with a linear range of 8-63 ng/mL (Routinely tested).

SDS-PAGE

Image 2. Mouse VEGF R1, Mouse IgG2a Fc Tag, low endotoxin on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 85 % .

ELISA

Image 3. Immobilized Human VEGF165, Tag Free (ABIN2181903,ABIN2693608,ABIN3071747) at 2 µg/mL (100 µL/well) can bind Mouse VEGF R1, Mouse IgG2a Fc Tag, low endotoxin (ABIN5674650,ABIN6253654) with a linear range of 2-31 ng/mL (QC tested).