

Human sVEGFR1/sFLT1 ELISA Kit | FLT1 elisa kit

Human sVEGFR1/sFLT1 PicoKine ELISA Kit

CATALOG #
AAA11542

REACTIVITY
Human

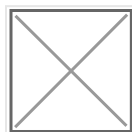
PRODUCT SYNONYMS

sVEGFR1/sFLT1; Human sVEGFR1/sFLT1 PicoKine ELISA Kit; Vascular endothelial growth factor receptor 1; fms-related tyrosine kinase 1; FLT; FLT 1; Flt-1; FLT1; Fms like tyrosine kinase 1; Fms related tyrosine kinase 1; Fms-like tyrosine kinase 1; Tyrosine protein kinase FRT; Tyrosine protein kinase receptor FLT; Tyrosine-protein kinase FRT; Tyrosine-protein kinase receptor FLT; Vascular endothelial growth factor/vascular permeability factor receptor; Vascular permeability factor receptor; VEGFR 1; VEGFR-1; VEGFR1; VGFR1_HUMAN; FLT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human FLT1
Sequence Length	1338
Samples	Cell culture supernatants, serum and plasma (EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<30 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FLT1 elisa kit	<p>Background: sVEGFR1, also known as sFMS-related tyrosine kinase 1 (sFLT1). Oncogene sFLT belongs to the src gene family and is related to oncogene ROS. Like other members of this family, it shows tyrosine protein kinase activity that is important for the control of cell proliferation and differentiation. sFLT is mapped to 13q12. sVEGF receptor 1 signaling is essential for osteoclast development and bone marrow formation in colony-stimulating factor 1-deficient mice. The standard product used in this kit is recombinant human sVEGFR1, consisting of 905 amino acids with the molecular mass of 100KDa.</p> <p>Principle of the Assay: The Picokine™ Human FLT1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human FLT1 with a 96-well strip plate that is pre-coated with antibody specific for FLT1. The detection antibody is a biotinylated antibody specific for FLT1. The capture antibody is polyclonal antibody from goat and the detection antibody is polyclonal antibody from goat. The kit includes Human FLT1 protein as standards. To measure Human FLT1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human FLT1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human FLT1 in the sample.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	143811474
NCBI GeneID	2321
UniProt Accession #	P17948; O60722; A3E342; A3E344; A8KA71; B0LPF1; B2BF46; B2BF47; B2BF48; B3FR89; B5A923; F5H5L6
Molecular Weight	41,175 Da
NCBI Official Full Name	Vascular endothelial growth factor receptor 1
NCBI Official Synonym Full Names	fms-related tyrosine kinase 1
NCBI Official Symbol	FLT1
NCBI Official Synonym Symbols	FLT; FLT-1; VEGFR1; VEGFR-1
NCBI Protein Information	vascular endothelial growth factor receptor 1; fms-like tyrosine kinase 1; tyrosine-protein kinase FRT; tyrosine-protein kinase receptor FLT; vascular permeability factor receptor; fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
UniProt Protein Name	Vascular endothelial growth factor receptor 1
UniProt Gene Name	FLT1
UniProt Synonym Gene Names	FLT; FRT; VEGFR1; VEGFR-1; FLT-1; FLT
UniProt Entry Name	VGFR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.