

Mouse FLT1/VEGFR1 ELISA Kit | Flt1 elisa kit

Mouse FLT1/VEGFR1 PicoKine ELISA Kit

CATALOG #
AAA46759

REACTIVITY
Mouse

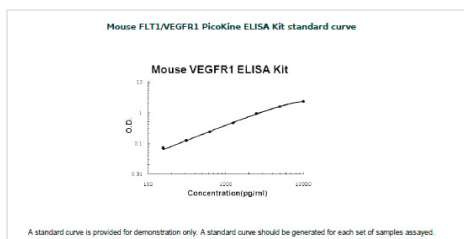
PRODUCT SYNONYMS

FLT1/VEGFR1; Mouse FLT1/VEGFR1 PicoKine ELISA Kit; FLT 1; FLT1; Flt-1; sflt 1; sFLT1; Soluble VEGFR1 variant 2; Soluble VEGFR1 variant 21; sVEGFR1; Tyrosine protein kinase FRT; Tyrosine-protein kinase FRT; VEGF Receptor 1; VEGFR 1; VEGFR-1; VGFR1; Vascular endothelial growth factor receptor 1; FMS-like tyrosine kinase 1; Flt1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Flt1
Sequence Length	1333
Samples	Cell culture supernatants and serum
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Flt1 elisa kit	Principle of the Assay: The Picokine™ Mouse Flt1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse 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 monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Flt1 with immunogen: Expression system for standard: NSO, Immunogen sequence: Y23-E759. The kit is analytically validated with ready to use reagents. To measure Mouse 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 unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Flt1 in the sample. Read the density 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 Mouse Flt1 in the sample. Background/Introduction: Vascular endothelial growth factor receptor 1 is a protein that in humans is encoded by the FLT1 gene. Oncogene FLT 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. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34328180
NCBI GeneID	14254
NCBI Accession #	NP_034358.2
NCBI GenBank Nucleotide #	NM_010228.3
UniProt Accession #	P35969; O55094; Q61517
Molecular Weight	149,876 Da
NCBI Official Full Name	vascular endothelial growth factor receptor 1
NCBI Official Synonym Full Names	FMS-like tyrosine kinase 1
NCBI Official Symbol	Flt1
NCBI Official Synonym Symbols	Flt-1; sFlt1; VEGFR1; VEGFR-1; AI323757
NCBI Protein Information	vascular endothelial growth factor receptor 1
UniProt Protein Name	Vascular endothelial growth factor receptor 1
UniProt Gene Name	Flt1
UniProt Synonym Gene Names	Emrk2; Flt; Vegfr1; VEGFR-1; FLT-1

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.