

Mouse Flt3 Ligand ELISA Kit | FLT3LG elisa kit

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CATALOG # AAA17895	REACTIVITY Mouse	APPLICATIONS ELISA
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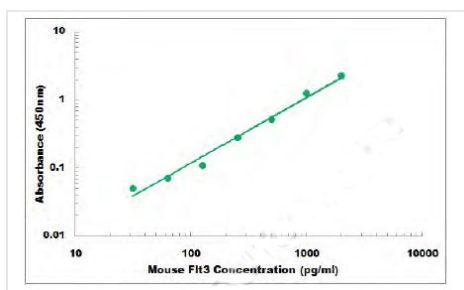
PRODUCT SYNONYMS

Flt3 Ligand; Mouse Flt3 Ligand ELISA Kit; Fms-related tyrosine kinase 3 ligand; Flt3 ligand; Flt3L; SL cytokine; FLT3LG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse FGF23 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse FGF23 proteins within the range of 15.6 pg/ml-1000 pg/ml.
Sequence Length	232
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	10 pg/ml.
Applicable Applications for FLT3LG elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FLT3LG elisa kit	Principle of the Assay: The Mouse FGF23 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse FGF23 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Mouse FGF23 coated on a 96-well plate. Standards and samples are pipetted into the wells and FGF23 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse FGF23 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of FGF23 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm!!Background/Introduction: Fibroblast growth factor 23 or FGF23 is a protein that in humans is encoded by the FGF23 gene. It is a member of the fibroblast growth factor (FGF) family which is responsible for phosphate metabolism. The main function of FGF23 seems to be regulation of phosphate concentration in plasma. FGF23 is secreted by Osteocytes in response to elevated Calcitriol. And it acts on the kidneys, where it decreases the expression of NPT2, a sodium-phosphate cotransporter in the proximal tubule. Thus, FGF23 decreases the reabsorption and increases excretion of phosphate. Also, FGF23 may suppress 1-alpha-hydroxylase, reducing its ability to activate vitamin D and subsequently impairing calcium absorption.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	227430331
NCBI GeneID	14256
NCBI Accession #	NP_038548.3
NCBI GenBank Nucleotide #	NM_013520.3
UniProt Accession #	P49772; Q64085
Molecular Weight	28,259 Da
NCBI Official Full Name	fms-related tyrosine kinase 3 ligand
NCBI Official Synonym Full Names	FMS-like tyrosine kinase 3 ligand
NCBI Official Symbol	Flt3l
NCBI Official Synonym Symbols	Ly72L; Flt3lg
NCBI Protein Information	fms-related tyrosine kinase 3 ligand; flt3 ligand
UniProt Protein Name	Fms-related tyrosine kinase 3 ligand
UniProt Gene Name	Flt3lg
UniProt Synonym Gene Names	Flt3l; Flt3 ligand; Flt3L
UniProt Entry Name	FLT3L_MOUSE

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.