

Human FSTL3 ELISA Kit | FSTL3 elisa kit

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CATALOG # AAA105993	REACTIVITY Human	APPLICATIONS ELISA
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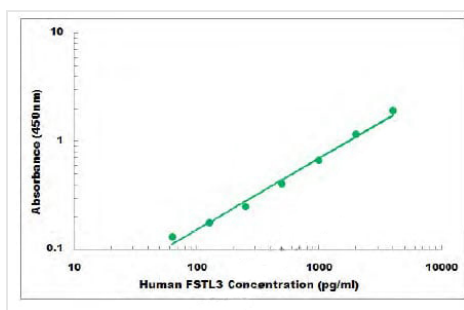
PRODUCT SYNONYMS

FSTL3; Human FSTL3 ELISA Kit; FLRG; Follistatin-related protein 3; Follistatin-like protein 3; Follistatin-related gene protein; FSTL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Angiopoietin-2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Angiopoietin-2 proteins within the range of 46.9 pg/ml-3000 pg/ml.
Sequence Length	263
Samples	Cell Culture Supernatants, Serum, Plasma
Sensitivity	20 pg/ml.
Applicable Applications for FSTL3 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 FSTL3 elisa kit	Principle of the Assay: MBSHuman Angiopoietin-2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Angiopoietin-2 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human Angiopoietin-2 coated on a 96-well plate. Standards and samples are pipetted into the wells and Angiopoietin-2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Angiopoietin-2 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 Angiopoietin-2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm!!Background/Introduction: Angiopoietin-2, ANG-2, is a 496 amino acid secreted protein. After signal sequence processing and maturation, Angiopoietin-2 becomes 478 amino acids long (from 19 to 496). It contains the 1 fibrinogen C-terminal domain which mediates its interaction with TEK/TIE2 receptor. ANG-2 is found to induce tyrosine phosphorylation of TIE2 as well as bind to TIE2 receptor to counteract blood vessel maturation/stability that is mediated by angiopoietin-1. Its function may be context-dependent. In the absence of angiogenic inducers, such as VEGF, ANG2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031701
NCBI GeneID	10272
NCBI Accession #	NP_005851.1
NCBI GenBank Nucleotide #	NM_005860.2
UniProt Accession #	O95633; A8K7E3
Molecular Weight	24,960 Da
NCBI Official Full Name	follistatin-related protein 3
NCBI Official Synonym Full Names	follistatin-like 3 (secreted glycoprotein)
NCBI Official Symbol	FSTL3
NCBI Official Synonym Symbols	FLRG; FSRP
NCBI Protein Information	follistatin-related protein 3; follistatin-like protein 3; follistatin-related gene protein
UniProt Protein Name	Follistatin-related protein 3
UniProt Gene Name	FSTL3
UniProt Synonym Gene Names	FLRG
UniProt Entry Name	FSTL3_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.