

Human FSTL1 ELISA Kit | FSTL1 elisa kit

Human FSTLPre-Coated ELISA Kit

CATALOG #
AAA79383

REACTIVITY
Human

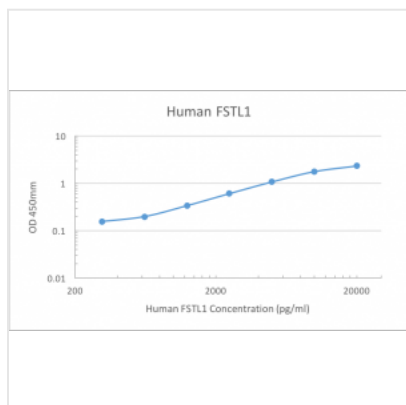
PRODUCT SYNONYMS

FSTL1; Human FSTLPre-Coated ELISA Kit; FSTL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human FSTL1
Assay Type	Solid Phase Sandwich ELISA: 96-Well Strip Plate
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	<10pg/ml
Components	Anti-Human FSTL1 Pre-coated 96-well strip microplate Human FSTL1 Standard Human FSTL1 Biotinylated antibody (100x) Avidin-Biotin-Peroxidase Complex (100x) Sample Diluent Antibody Diluent Avidin-Biotin-Peroxidase Diluent Wash Buffer Concentrate (Powder for 1000mL) Color Developing Reagent Stop Solution Plate Sealers.
Interference	No detectable cross-reactivity with other relevant proteins
Preparation and Storage	Store the unopened product at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FSTL1 elisa kit

Follistatin-like protein 1 (FSTL1) is a widely-expressed, extracellular glycoprotein that is homologously grouped into the osteonectin (BM-40/SPARC) family of secreted proteins based on its possession of both a follistatin-like and extracellular calcium-binding domain. Initially identified as a TGF-beta-inducible protein in a cloned mouse osteoblast cell line, FSTL1 has since been implicated in an array of cell-type-specific functions, such as the regulation of proliferation, differentiation, apoptosis and migration, as well as a number of biological processes, including embryonic development, inflammatory response, angiogenesis, tumorigenesis, and immune disease pathogenesis. Highly conserved across mammalian species and widely expressed in human tissues, FSTL1 can be upregulated through signaling mediators of the innate immune system, such as TLR4 agonists and the arthritogenic cytokine IL-1beta via NFkappaB pathways, to stimulate the expression and secretion of pro-inflammatory cytokines, including TNF-alpha, IL-1beta, IL-6 and IL-8. While cells of mesenchymal lineage are capable of FSTL1 production, FSTL1 expression is notably absent from cells of hematopoietic lineage under normal physiological conditions. Macrophages and monocytes are, however, capable of taking up FSTL1 at sites of inflammation where FSTL1 stimulation can cause the expression of caspase-1 and its resultant enzymatic cleavage of active IL-1beta from pro-IL-1beta. Whereas the overexpression of FSTL1 has been noted as a substantial contributor to the progression of immune diseases like rheumatoid arthritis (RA) and osteoarthritis (OA), diminished FSTL1 serum levels have been identified as playing a significant part in both ovarian and endometrial carcinogenesis, where it directly affects cell proliferation, migration and invasion.

Human FSTL1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure FSTL1 with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for FSTL1. It contains NS0-expressed recombinant FSTL1. The detection antibody is a biotinylated goat polyclonal antibody specific for FSTL1. The kit is analytically validated with ready to use reagents.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5901956
NCBI GeneID	11167
NCBI Accession #	NP_009016.1
NCBI GenBank Nucleotide #	NM_007085.4
UniProt Accession #	Q12841 ; Q549Z0 ; A8K523 ; B4DTT5 ; D3DN90
Molecular Weight	31,228 Da
NCBI Official Full Name	follistatin-related protein 1
NCBI Official Synonym Full Names	follistatin-like 1
NCBI Official Symbol	FSTL1
NCBI Official Synonym Symbols	FRP; FSL1; MIR198
NCBI Protein Information	follistatin-related protein 1; follistatin-like protein 1
UniProt Protein Name	Follistatin-related protein 1
UniProt Gene Name	FSTL1
UniProt Synonym Gene Names	FRP
UniProt Entry Name	FSTL1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/fstl1/79383>