

Human Fractalkine CLIA Kit | CX3CL1 clia kit

Fractalkine (Human) LumiAb ELISA Kit

CATALOG #
AAA318603

REACTIVITY
Human

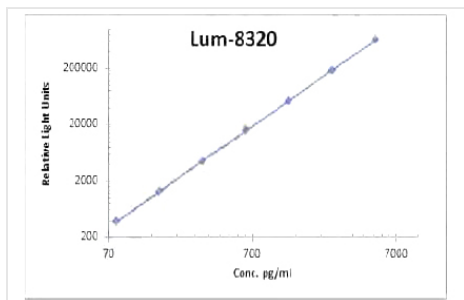
PRODUCT SYNONYMS

Fractalkine; Fractalkine (Human) LumiAb ELISA Kit; Human Fractalkine; C-X3-C motif chemLumine 1; CX3C membrane-anchored chemLumine; Neurotactin; Small-inducible cytLumine D1; FKN; NTT; SCYD1; CX3CL1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human Follistatin ELISA is capable of recognizing both recombinant and naturally produced Human Follistatin proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference.
Sequence Length	397
Assay Type	Quantitative Sandwich
Sensitivity	11 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX3CL1 clia kit	Principle of the Assay: The LumiAb Human Follistatin Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human Follistatin concentrations within any experimental sample including cell lysates, serum and plasma. This particular immunoassay utilizes the quantitative technique of a "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope on Human Follistatin while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a sensitive luminescent reaction to ensue upon substrate addition. When the Peroxide Enhancer solution is added, the reaction catalyzed by peroxidase yields light that is representative of the antigen concentration. After a brief incubation, the microplate can be read with a luminometer, allowing for generation of a standard curve and subsequent determination of protein concentration!!Background/Introduction: Human Follistatin or FS, also known as Activin-Binding Protein is a single-chain gonadal protein that specifically inhibits pituitary follicle-stimulating hormone (FSH) release. The single FST gene encodes two isoforms, FST317 and FST344 containing 317 and 344 amino acid residues respectively, resulting from alternative splicing of the precursor mRNA. Isoform 1 is the predominant isoform in serum but is undetectable in follicular fluid. Moreover, the FST gene is located at locus 5q11.2 on chromosome 5. The monomeric protein binds directly to Activin and functions as an Activin antagonist. In regards to the primary sequence, Follistatin contains 3 follistatin-like domains, 3 Kazal-like domains and a TB (TBF-beta binding) domain. Typical modifications to the protein include 2 potential glycosylation sites at the 124th or 288th residue along with multiple sites for disulfide bridge formation.
Product Categories/Family for CX3CL1 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506857
NCBI GeneID	6376
NCBI Accession #	NP_002987.1
NCBI GenBank Nucleotide #	NM_002996.6
UniProt Accession #	P78423
NCBI Official Full Name	fractalkine isoform 1
NCBI Official Synonym Full Names	C-X3-C motif chemokine ligand 1
NCBI Official Symbol	CX3CL1
NCBI Official Synonym Symbols	NTN; NTT; CXC3; CXC3C; SCYD1; ABCD-3; C3Xkine; fractalkine; neurotactin
NCBI Protein Information	fractalkine
UniProt Protein Name	Fractalkine
UniProt Gene Name	CX3CL1
UniProt Synonym Gene Names	FKN; NTT; SCYD1
UniProt Entry Name	X3CL1_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.