

Human Galectin-3 CLIA Kit | LGALS3 clia kit

Galectin-3 (Human) LumiAb ELISA Kit

CATALOG #
AAA318605

REACTIVITY
Human

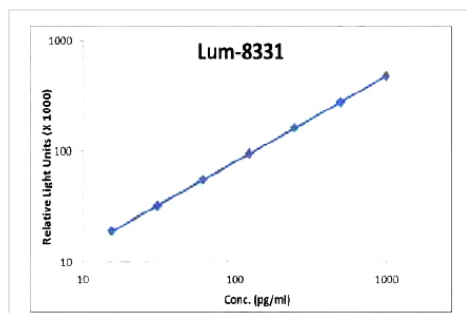
PRODUCT SYNONYMS

Galectin-3; Galectin-3 (Human) LumiAb ELISA Kit; Human Galectin-3; Gal-3; 35 kDa lectin; Carbohydrate-binding protein 35; CBP 35; Galactose-specific lectin 3; Galactoside-binding protein; GALBP; IgE-binding protein; Laminin-binding protein; Lectin L-29; Mac-2 antigen; LGALS3 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human Fractalkine ELISA is capable of recognizing both recombinant and naturally produced Human Fractalkine proteins. The antigens listed below were tested at 500 ng/ml and did not exhibit significant cross-reactivity or interference.
Sequence Length	250
Assay Type	Quantitative Sandwich
Sensitivity	80 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LGALS3 clia kit	Principle of the Assay: The LumiAb Human Fractalkine Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human Fractalkine 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 Fractalkine 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: Fractalkine, also known as C-X3-C motif chemokine 1 (CX3CL1), is a 397 amino acid single-pass type I membrane protein. The processed fractalkine is secreted. Fractalkine belongs to the intercrine delta family. The soluble form is chemotactic for T-cells and monocytes, but not for neutrophils. The membrane-bound form promotes adhesion of those leukocytes to endothelial cells. Fractalkine may play a role in regulating leukocyte adhesion and migration processes at the endothelium. It binds to CX3CR1 and can be found in the small intestine, colon, testis, prostate, heart, brain, lung, skeletal muscle, kidney and pancreas. Fractalkine is induced by TNF and IL1/interleukin-1 in pulmonary endothelial cells and umbilical vein endothelial cells. A soluble short 95 kDa form may be released by proteolytic cleavage from the long membrane-anchored form. Fractalkine is O-glycosylated with core 1 or possibly core 8 glycans after post-translational modification.
Product Categories/Family for LGALS3 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	115430223
NCBI GeneID	3958
NCBI Accession #	NP_002297.2
NCBI GenBank Nucleotide #	NM_002306.4
UniProt Accession #	P17931
NCBI Official Full Name	galectin-3 isoform 1
NCBI Official Synonym Full Names	galectin 3
NCBI Official Symbol	LGALS3
NCBI Official Synonym Symbols	L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2
NCBI Protein Information	galectin-3
UniProt Protein Name	Galectin-3
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	MAC2; Gal-3; CBP 35; GALBP
UniProt Entry Name	LEG3_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.