

Human Gas6 CLIA Kit | Gas6 clia kit

Gas6 (Human) LumiAb ELISA Kit

CATALOG #
AAA318606

REACTIVITY
Human

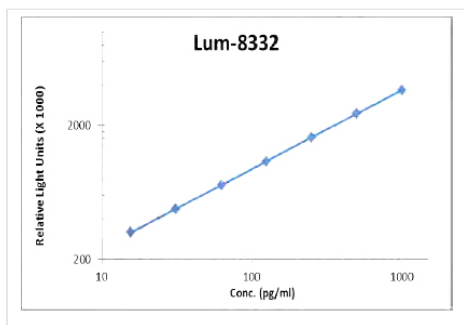
PRODUCT SYNONYMS

Gas6; Gas6 (Human) LumiAb ELISA Kit; Human Gas6; Growth arrest-specific protein 6; AXL receptor tyrosine kinase ligand; Gas6 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human Galectin-3 ELISA is capable of recognizing both recombinant and naturally produced Human Galectin-3 proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross-reactivity or interference.
Sequence Length	678
Assay Type	Quantitative Sandwich
Sensitivity	15 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Gas6 clia kit	Principle of the Assay: The LumiAb Human Galectin-3 Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human Galectin-3 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 Galectin-3 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: Galectin-3 is a galactose-specific lectin which binds IgE. This lectin may mediate with the alpha-3, beta-1 integrin for the stimulation by CSPG4 of endothelial cells migration. Found together with DMBT1, which is required for terminal differentiation of columnar epithelial cells during early embryogenesis. In the nucleus, it acts as a pre-mRNA splicing factor. Galectin-3 is involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. It probably forms homo-or heterodimers. Additionally, galectin-3 interacts with DMBT1. This lectin forms a complex with ITGA3, ITGB1 and CSPG4. It also interacts with LGALS3BP, LYPD3, CYHR1 and UACA. It is highly expressed in the colonic epithelium and abundant in activated macrophages.
Product Categories/Family for Gas6 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557617
NCBI GeneID	2621
NCBI Accession #	NP_000811.1
NCBI GenBank Nucleotide #	NM_000820.4
UniProt Accession #	Q14393
NCBI Official Full Name	growth arrest-specific protein 6
NCBI Official Synonym Full Names	growth arrest specific 6
NCBI Official Symbol	GAS6
NCBI Official Synonym Symbols	AXSF; AXLLG
NCBI Protein Information	growth arrest-specific protein 6
UniProt Protein Name	Growth arrest-specific protein 6
UniProt Gene Name	GAS6
UniProt Synonym Gene Names	AXLLG; GAS-6
UniProt Entry Name	GAS6_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.