

Human FGF-9 CLIA Kit | FGF-9 clia kit

FGF-9 (Human) LumiAb ELISA Kit

CATALOG #
AAA318592

REACTIVITY
Human

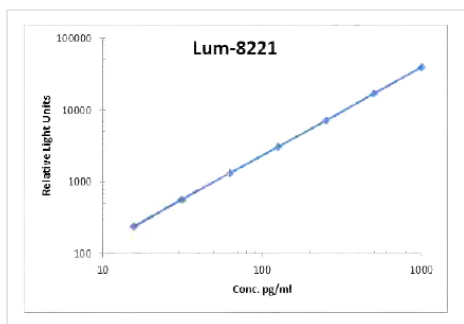
PRODUCT SYNONYMS

FGF-9; FGF-9 (Human) LumiAb ELISA Kit; Human FGF-9; Glia-activating factor; GAF; Fibroblast growth factor 9; Heparin-binding growth factor 9; HBGF-9; FGF-9 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human Fetuin A ELISA is capable of recognizing both recombinant and naturally produced Human Fetuin A proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross-reactivity or interference.
Sequence Length	208
Assay Type	Quantitative Sandwich
Sensitivity	8 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FGF-9 clia kit	Principle of the Assay: The LumiAb Human Fetuin A Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human Fetuin A 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 Fetuin A 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: Fetuin A/AHSG promotes endocytosis, possesses opsonic properties and influences the mineral phase of bone and therefore shows affinity for calcium and barium ions. Alpha-2-HS glycoprotein derives from this precursor, when the connecting peptide is cleaved off. The two chains A and B are held together by a single disulfide bond. Fetuin A is synthesized in the liver and is selectively concentrated in bone matrix. It is also secreted in plasma and found in dentin in much higher quantities than other plasma proteins. Phosphorylation sites are present in the extracellular medium. There are two common alleles, AHSG*1 and AHSG*2-AHSG*1 has Thr-248/Thr-256; AHSG*2 has Met-248/Ser-256.
Product Categories/Family for FGF-9 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503707
NCBI GeneID	2254
NCBI Accession #	NP_002001.1
NCBI GenBank Nucleotide #	NM_002010.2
UniProt Accession #	P31371
NCBI Official Full Name	fibroblast growth factor 9
NCBI Official Synonym Full Names	fibroblast growth factor 9
NCBI Official Symbol	FGF9
NCBI Official Synonym Symbols	GAF; FGF-9; SYNS3; HBFG-9; HBGF-9
NCBI Protein Information	fibroblast growth factor 9
UniProt Protein Name	Fibroblast growth factor 9
UniProt Gene Name	FGF9
UniProt Synonym Gene Names	FGF-9; GAF; HBGF-9
UniProt Entry Name	FGF9_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.