

Human Insulin Like Growth Factor Binding Protein 1 (IGFBP1) CLIA Kit | IGFBP1 clia kit

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CATALOG #
AAA141009

REACTIVITY
Human

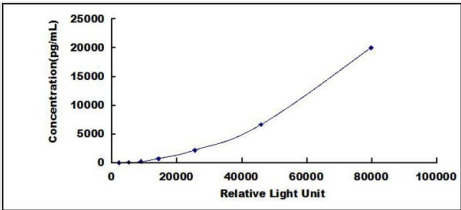
PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein 1 (IGFBP1); Human Insulin Like Growth Factor Binding Protein 1 (IGFBP1) CLIA Kit; IBP1; AFBP; IGF-BP25; PP12; Placental Protein 12; Amniotic Fluid Binding Protein; Alpha-Pregnancy-Associated Endometrial Globulin; Growth Hormone Independent-Binding Protein; IGFBP1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Insulin Like Growth Factor Binding Protein 1 (IGFBP1). No significant cross-reactivity or interference between Insulin Like Growth Factor Binding Protein 1 (IGFBP1) and analogues was observed.
Sequence Length	259
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	27.4-20000pg/mL
Sensitivity	11.1pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Insulin Like Growth Factor Binding Protein 1 (IGFBP1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Insulin Like Growth Factor Binding Protein 1 (IGFBP1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGFBP1 clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Insulin Like Growth Factor Binding Protein 1 (IGFBP1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Insulin Like Growth Factor Binding Protein 1 (IGFBP1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Insulin Like Growth Factor Binding Protein 1 (IGFBP1) level in the sample or standard.;
Product Categories/Family for IGFBP1 clia kit	Tumor immunity; Endocrinology; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504615
NCBI GeneID	3484
NCBI Accession #	NP_000587.1
NCBI GenBank Nucleotide #	NM_000596.2
Molecular Weight	27,904 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 1
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 1
NCBI Official Symbol	IGFBP1
NCBI Official Synonym Symbols	AFBP; IBP1; PP12; IGF-BP25; hIGFBP-1
NCBI Protein Information	insulin-like growth factor-binding protein 1
UniProt Protein Name	Insulin-like growth factor-binding protein 1
UniProt Gene Name	IGFBP1
UniProt Synonym Gene Names	IBP1; IBP-1; IGF-binding protein 1; IGFBP-1; PP12
UniProt Entry Name	IBP1_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.