

Human Insulin Like Growth Factor 1 (IGF1) CLIA Kit | IGF1 clia kit

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CATALOG # AAA188800	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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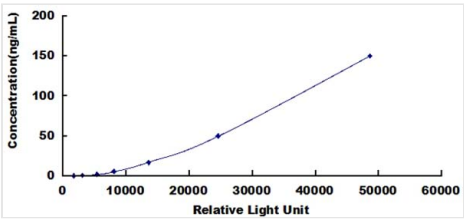
PRODUCT SYNONYMS

Insulin Like Growth Factor 1 (IGF1); Human Insulin Like Growth Factor 1 (IGF1) CLIA Kit; Insulin Like Growth Factor 1; IGF1; IGF1A; IBP1; MGF; Somatomedin C; Mechano Growth Gactor; IGF1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Insulin Like Growth Factor 1 (IGF1). No significant cross-reactivity or interference between Insulin Like Growth Factor 1 (IGF1) and analogues was observed.
Sequence Length	195
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids.
Detection Range	0.21-150ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.08ng/mL
Applicable Applications for IGF1 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Insulin Like Growth Factor 1 (IGF1) 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 1 (IGF1) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Insulin Like Growth Factor 1 (IGF1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Insulin Like Growth Factor 1 (IGF1). 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 1 (IGF1) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	163659903
NCBI GeneID	3479
NCBI Accession #	NP_001104755.1
NCBI GenBank Nucleotide #	NP_001104755.1
UniProt Accession #	P05019
NCBI Official Full Name	insulin-like growth factor I isoform 3 preproprotein
NCBI Official Synonym Full Names	insulin like growth factor 1
NCBI Official Symbol	IGF1
NCBI Official Synonym Symbols	IGF; MGF; IGF-I; IGF-I
NCBI Protein Information	insulin-like growth factor I
UniProt Protein Name	Insulin-like growth factor I
UniProt Gene Name	IGF1
UniProt Synonym Gene Names	IBP1; IGF-I; MGF
UniProt Entry Name	IGF1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/insulin-like-growth-factor-1-igf1/188800>