

Human Insulin-Like Growth Factor 1 ELISA Kit | IGF-1 elisa kit

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CATALOG #
AAA17690

REACTIVITY
Human

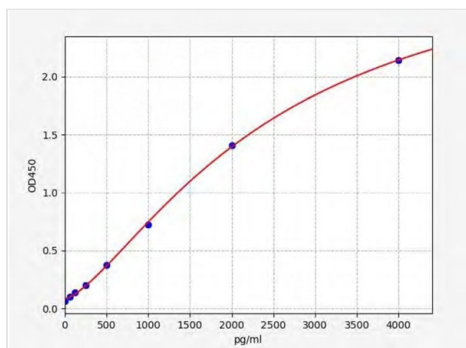
PRODUCT SYNONYMS

Insulin-Like Growth Factor 1; Human Insulin-Like Growth Factor 1 ELISA Kit; IGF-1/IGF1/IGFI/IGF-I/IGF1A/IGF-IA/IGF-IB/MGF/Somatomedin C; IGF-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize IGF-1, no obvious cross reaction with other analogues
Sequence Length	154
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF-1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti IGF-1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti IGF-1 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with IGF-1 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of IGF-1 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118150782
NCBI GeneID	281239
NCBI Accession #	NP_001071296.1
NCBI GenBank Nucleotide #	NM_001077828.1
Molecular Weight	17,066 Da
NCBI Official Full Name	insulin-like growth factor I preproprotein
NCBI Official Symbol	IGF1
NCBI Official Synonym Symbols	IGF-1; 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	IGF-I
UniProt Entry Name	IGF1_BOVIN

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.