

Human IGF-1 (Insulin-like Growth Factor 1) ELISA Kit | IGF-1 elisa kit

QuickKey Pro Human IGF-1 (Insulin-like Growth Factor 1) ELISA Kit

CATALOG #
AAA177887

REACTIVITY
Human

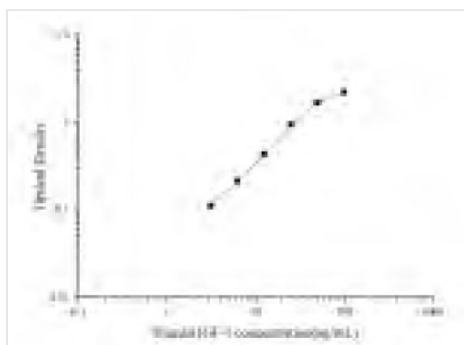
PRODUCT SYNONYMS

IGF-1 (Insulin-like Growth Factor 1); QuickKey Pro Human IGF-1 (Insulin-like Growth Factor 1) ELISA Kit; insulin-like growth factor 1; IGF1; IGF-1; IGF-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human IGF-1 in samples. No significant cross-reactivity or interference between Human IGF-1 and analogues was observed
Assay Type	Quantitative Sandwich
Samples	Human serum and plasma samples
Detection Range	3.12-100 ng/mL
Sensitivity	1.01 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human IGF-1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human IGF-1 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	An unopened kit can be stored at 2-8° for 6 months. After test, the unused wells and reagents should be stored according to the table/manual.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF-1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human IGF-1. Samples (or Standards) and Horseradish Peroxidase (HRP) linked antibody specific for Human IGF-1 are added to the micro ELISA plate wells. Human IGF-1 in samples (or standards) combines with the coated antibody and HRP linked detection antibody special to Human IGF-1. Excess conjugate and unbound sample or standard are washed from the plate. The substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450±2 nm. The OD value is proportional to the concentration of Human IGF- 1. The concentration of Human IGF-1 in the samples is then determined by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of IGF-1 concentrations in Human serum and plasma samples. Please contact tech-support for other sample type detection.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	163659903
NCBI GeneID	3479
NCBI Accession #	NP_001104755.1
NCBI GenBank Nucleotide #	NM_001111285.1
UniProt Accession #	P05019; P01343; Q14620; B2RWM7; E9PD02
Molecular Weight	21,841 Da
NCBI Official Full Name	insulin-like growth factor 1 isoform 3 preproprotein
NCBI Official Synonym Full Names	insulin-like growth factor 1 (somatomedin C)
NCBI Official Symbol	IGF1
NCBI Official Synonym Symbols	IGFI; IGF-I; IGF1A
NCBI Protein Information	insulin-like growth factor 1; MGF; IGF-IA; IGF-IB; somatomedin-C; mechano growth factor; insulin-like growth factor I; insulin-like growth factor IA; insulin-like growth factor IB
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.