

Mouse Insulin-like growth factor 1 ELISA Kit | IGF1 elisa kit

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CATALOG #
AAA98770

REACTIVITY
Mouse

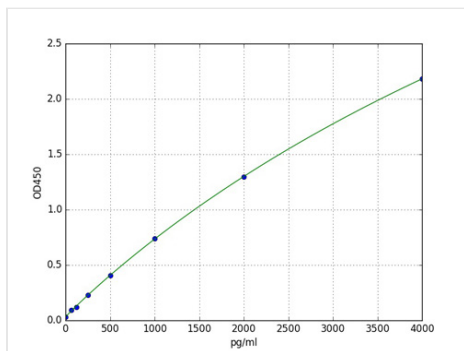
PRODUCT SYNONYMS

Insulin-like growth factor 1; Mouse Insulin-like growth factor 1 ELISA Kit; IGF-1/IGF1/IGF-I/IGF1A/IGF-IA/IGF-IB/MGF/Somatomedin C; IGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	154
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	62.5-4000pg/ml
Sensitivity	37.5pg/ml
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



Typical Data & Standard Curve

Results of a typical standard run of a IGF-1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	62.5	125	250	500	1000	2000	4000
Y	OD450	0.009	0.049	0.076	0.165	0.469	0.935	1.733	2.256

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF1 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 96-well plates. And the biotin conjugated anti- IGF-1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the IGF-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IGF-1 can be calculated.

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.

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Online datasheet: <https://stage.aaabiotech.com/igf1-mouse-elisa-kits/insulin-like-growth-factor-1/98770>