

Mouse insulin-like growth factor 1 (somatomedin C) ELISA Kit | IGF1 elisa kit

Mouse Insulin-like growth factor 1, IGF-1 ELISA Kit

CATALOG # AAA79678	REACTIVITY Mouse
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PRODUCT SYNONYMS

insulin-like growth factor 1 (somatomedin C); Mouse Insulin-like growth factor 1; IGF-1 ELISA Kit; IGF1A; IGF1; OTTHUMP00000195084; insulin-like growth factor 1; IGF-1; IGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse IGF1. No significant cross-reactivity or interference between Mouse IGF1 and analogues was observed.
Sequence Length	153
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Cytokine
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF1 elisa kit	For Sample For the quantitative determination of mouse insulin-like growth factor 1 (IGF-1) concentrations in serum, plasma, tissue homogenates. PRINCIPLE OF THE ASSAY This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for IGF-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IGF-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IGF-1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IGF-1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	163659894
NCBI GeneID	16000
NCBI Accession #	NP_001104745.1
NCBI GenBank Nucleotide #	NM_001111275.1
UniProt Accession #	P05017; P05018; Q6LDP4; Q8C4U6
Molecular Weight	17,093 Da
NCBI Official Full Name	insulin-like growth factor I isoform 4 preproprotein
NCBI Official Synonym Full Names	insulin-like growth factor 1
NCBI Official Symbol	Igf1
NCBI Official Synonym Symbols	Igf-1; Igf-I; C730016P09Rik
NCBI Protein Information	insulin-like growth factor I; somatomedin
UniProt Protein Name	Insulin-like growth factor I
UniProt Gene Name	Igf1
UniProt Synonym Gene Names	Igf-1; IGF-I
UniProt Entry Name	IGF1_MOUSE

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-somatomedin-c/79678>