

Murine IGF-1 ELISA Kit | IGF-1 elisa kit

Murine IGF-Pre-Coated ELISA Kit

CATALOG #
AAA79438

REACTIVITY
Murine

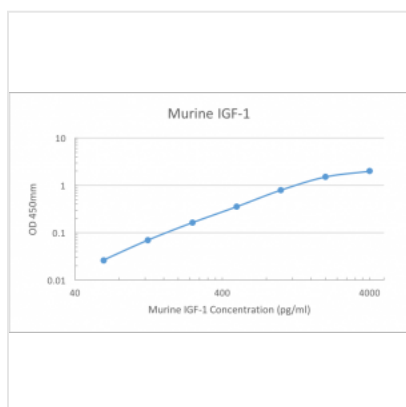
PRODUCT SYNONYMS

IGF-1; Murine IGF-Pre-Coated ELISA Kit; IGF-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Murine
Specificity	Natural and recombinant Murine IGF-1
Assay Type	Solid Phase Sandwich ELISA: 96-Well Strip Plate
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<5pg/ml
Components	Anti-Murine IGF-1 Pre-coated 96-well strip microplate Murine IGF-1 Standard Murine IGF-1 Biotinylated antibody (100x) Avidin-Biotin-Peroxidase Complex (100x) Sample Diluent Antibody Diluent Avidin-Biotin-Peroxidase Diluent Wash Buffer Concentrate (Powder for 1000mL) Color Developing Reagent Stop Solution Plate Sealers
Interference	No detectable cross-reactivity with other relevant proteins
Preparation and Storage	Store the unopened product at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF-1 elisa kit	The IGFs are mitogenic, polypeptide growth factors that stimulate the proliferation and survival of various cell types, including muscle, bone, and cartilage tissue in vitro. IGFs are predominantly produced by the liver, although a variety of tissues produce the IGFs at distinctive times. The IGFs belong to the Insulin gene family, which also contains insulin and relaxin. The IGFs are similar to insulin by structure and function, but have a much higher growth-promoting activity than insulin. IGF-II expression is influenced by placenta lactogen, while IGF-I expression is regulated by growth hormone. Both IGF-I and IGF-II signal through the tyrosine kinase type I receptor (IGF-IR), but IGF-II can also signal through the IGF-II/Mannose-6-phosphate receptor. Mature IGFs are generated by proteolytic processing of inactive precursor proteins, which contain N-terminal and C-terminal propeptide regions. Murine IGF-1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure IGF-1 with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for IGF-1. It contains E Coli-expressed recombinant IGF-1. The detection antibody is a biotinylated goat polyclonal antibody specific for IGF-1. The kit is analytically validated with ready to use reagents.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	E9PU89
UniProt Protein Name	Insulin-like growth factor I
UniProt Gene Name	Igf1
UniProt Entry Name	E9PU89_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/murine-elisa-kits/igf-1/79438>