

Mouse IGF-2 ELISA Kit | IGF2 elisa kit

Mouse IGF-2 PicoKine ELISA Kit

CATALOG #
AAA11574

REACTIVITY
Mouse

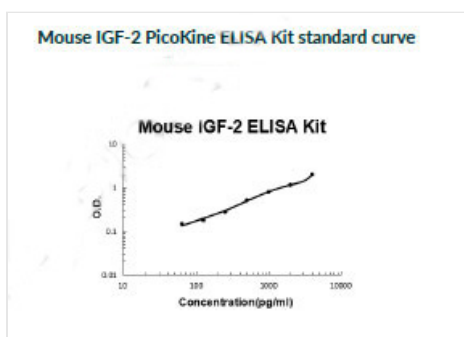
PRODUCT SYNONYMS

IGF-2; Mouse IGF-2 PicoKine ELISA Kit; Insulin-like growth factor II; insulin-like growth factor 2 (somatomedin A); C11orf43; FLJ22066; FLJ44734; IGF 2; IGF II; IGF-II; IGF2; IGF2_HUMAN; IGFII; INSIGF; Insulin like Growth Factor 2; Insulin like growth factor 2 (somatomedin A); Insulin like growth factor II; Insulin like growth factor II precursor; Insulin like growth factor type 2; pp9974; Preptin; Putative insulin like growth factor II associated protein; Somatomedin A; Somatomedin-A; IGF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse IGF2
Sequence Length	180
Samples	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<5pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF2 elisa kit	Principle of the Assay: The Picokine™ Mouse IGF2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse IGF2 with a 96-well strip plate that is pre-coated with antibody specific for IGF2. The detection antibody is a biotinylated antibody specific for IGF2. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse IGF2 with immunogen: Expression system for standard: E.coli; Immunogen sequence: A25-E91. The kit is analytically validated with ready to use reagents. To measure Mouse IGF2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse IGF2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse IGF2 in the sample.!!Background/Introduction: Insulin-like growth factor II is also known as somatomedin A. IGF-2 is a member of the insulin family of polypeptide growth factors that is involved in development and growth. It is paternally expressed in the fetus and placenta. IGF-II is a mitogen for many cell types and an important modulator of muscle growth and differentiation. IGF-II gene is prevalently expressed during prenatal development and its gene activity is regulated by genomic imprinting, in that the allele inherited from the father is active and the allele inherited from the mother is inactive in most normal tissues. IGF-II appears to be induced by placental lactogen during prenatal development. It is a mediator of prolactin-induced alveologenesis; prolactin, IGF-2, and cyclin D1, all of which are overexpressed in breast cancers, are components of a developmental pathway in the mammary gland.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124256
NCBI GeneID	16002
UniProt Accession #	P09535
Molecular Weight	20,030 Da
NCBI Official Full Name	Insulin-like growth factor II
NCBI Official Synonym Full Names	insulin-like growth factor 2
NCBI Official Symbol	Igf2
NCBI Official Synonym Symbols	Mpr; M6pr; Peg2; Igf-2; Igf-II; AL033362
NCBI Protein Information	insulin-like growth factor II; multiplication-stimulating polypeptide
UniProt Protein Name	Insulin-like growth factor II
UniProt Gene Name	Igf2
UniProt Synonym Gene Names	Igf-2
UniProt Entry Name	IGF2_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.