

IGF-2 elisa kit

Chinese Hamster IGF-2 PicoKine ELISA Kit

CATALOG # AAA124778	REACTIVITY Hamster There is no detectable cross-reactivity with IGF-1.	APPLICATIONS ELISA
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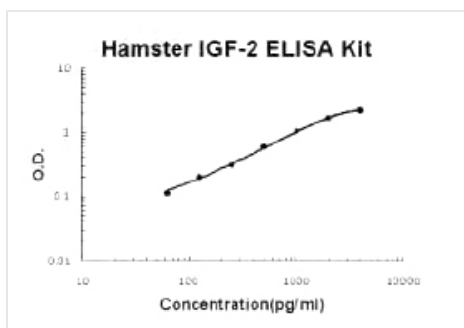
PRODUCT SYNONYMS

IGF-2; Chinese Hamster IGF-2 PicoKine ELISA Kit; Insulin-like growth factor II; IGF-II; Multiplication-stimulating activity; MSA; Multiplication-stimulating polypeptide; Preptin; Igf2; Igf-2; IGF-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Hamster There is no detectable cross-reactivity with IGF-1.
Specificity	Natural and recombinant 215 Chinese Hamster IGF-2
Sequence Length	180
Assay Type	Quantitative Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<5pg/ml
Applicable Applications for IGF-2 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration weretested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration weretested 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF-2 elisa kit	Principle of the Assay: 215 Chinese Hamster IGF-2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Chinese Hamster IGF-2 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: A25-E91) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Chinese Hamster IGF-2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was 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 215 Chinese Hamster IGF-2 amount of sample captured in plate. Background: 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.
Product Categories/Family for IGF-2 elisa kit	Signal Transduction ; Growth Factors/Hormones ; insulin/insulin-like ; Cancer ; Growth Factors ; insulin and insulin-like ; Developmental Biology ; post embryonic development ; growth Hormones

NCBI AND UNIPROT INFORMATION

NCBI GI #	297747332
NCBI GeneID	24483
NCBI Accession #	NP_001177091.1
NCBI GenBank Nucleotide #	NM_001190162.1
UniProt Accession #	P01346
Molecular Weight	20086 MW
NCBI Official Full Name	insulin-like growth factor II isoform 2 preproprotein
NCBI Official Synonym Full Names	insulin-like growth factor 2
NCBI Official Symbol	Igf2
NCBI Official Synonym Symbols	IGFII; RNIGF2
NCBI Protein Information	insulin-like growth factor II
UniProt Protein Name	Insulin-like growth factor II
UniProt Gene Name	Igf2
UniProt Synonym Gene Names	Igf-2; IGF-II; MSA

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hamster-elisa-kits/igf-2/124778>