

Rat IGF2 ELISA Kit | IGF2 elisa kit

Rat IGF2 ELISA Kit

CATALOG # AAA17880	REACTIVITY Rat	APPLICATIONS ELISA
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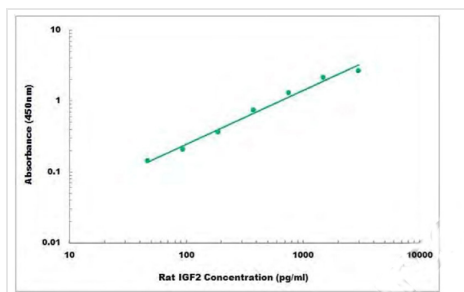
PRODUCT SYNONYMS

IGF2; Rat IGF2 ELISA Kit; Insulin-like growth factor II; IGF-II; Somatomedin-A; IGF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat IGF2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat IGF2 proteins within the range of 46.9 pg/ml - 3000 pg/ml.
Sequence Length	180
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 25 pg/ml
Applicable Applications for IGF2 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF2 elisa kit	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. Principle of the Assay: The Rat IGF2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat IGF2 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Rat IGF2 coated on a 96-well plate. Standards and samples are pipetted into the wells and IGF2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat IGF2 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of IGF2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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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	20,086 Da
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; MSA; IGF-II; multiplication-stimulating activity; insulin-like growth factor II (IGF-II); multiplication-stimulating polypeptide; Insulin-like growth factor II (somatomedin A); insulin-like growth factor II isoform 2 variant 4 preprotein
UniProt Protein Name	Insulin-like growth factor II
UniProt Gene Name	Igf2
UniProt Synonym Gene Names	Igf-2; IGF-II; MSA
UniProt Entry Name	IGF2_RAT

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.