Human insulin-like growth factor 2 (somatomedin A) ELISA Kit | IGF2 elisa kit

Human insulin-like growth factors 2, IGF-2 ELISA Kit

CATALOG #	REACTIVITY
AAA80296	**Human**

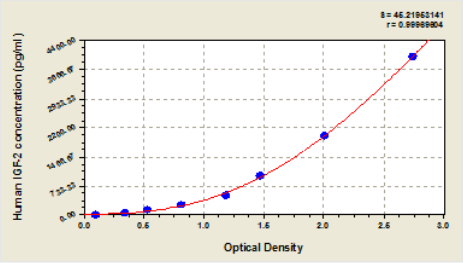
PRODUCT SYNONYMS

insulin-like growth factor 2 (somatomedin A); Human insulin-like growth factors 2; IGF-2 ELISA Kit; C11orf43; FLJ22066; FLJ44734; INSIGF; pp9974; OTTHUMP00000011018; OTTHUMP00000011157; insulin-like growth factor 2; insulin-like growth factor II; insulin-like growth factor type 2; putative insulin-like; IGF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human IGF-2. No significant cross-reactivity or interference between human IGF-2 and analogues was observed.
Sequence Length	180
Samples	Serum, plasma, cell culture supernates, urine, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	< 15.6 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 IGF2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for IGF-2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IGF-2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IGF-2 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-2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504609
NCBI GeneID	3481
NCBI Accession #	NP_000603.1
NCBI GenBank Nucleotide #	NM_000612.5
UniProt Accession #	P01344; P78449; Q14299; Q1WM26; Q9UC68; Q9UC69; B3KX48; B7WP08; C9JAF2; E3UN45
Molecular Weight	20,140 Da
NCBI Official Full Name	insulin-like growth factor II isoform 1 preproprotein
NCBI Official Synonym Full Names	insulin-like growth factor 2 (somatomedin A)
NCBI Official Symbol	IGF2
NCBI Official Synonym Symbols	IGF-II; PP9974; C11orf43
NCBI Protein Information	insulin-like growth factor II; insulin-like growth factor type 2
UniProt Protein Name	Insulin-like growth factor II
UniProt Gene Name	**IGF2**
UniProt Synonym Gene Names	PP1446; IGF-II
UniProt Entry Name	IGF2_HUMAN

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://www.aaabiotech.com/igf2-human-elisa-kits/insulin-like-growth-factor-2-somatomedin-a/80296