

Human Insulin Like Growth Factor 2 (IGF2) RTU ELISA Kit | IGF2 rtu elisa kit

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CATALOG #
AAA216181

REACTIVITY
Human

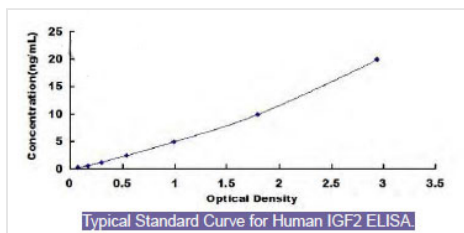
PRODUCT SYNONYMS

Insulin Like Growth Factor 2 (IGF2); Human Insulin Like Growth Factor 2 (IGF2) ELISA Kit; INSIGF; IGF-II; Somatomedin A; Preptin; Insulin-like growth factor II Ala-25 Del; IGF2 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IGF2. No significant cross-reactivity or interference between IGF2 and analogues was observed.
Sequence Length	180
Samples	Serum, plasma, tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.128ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IGF2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IGF2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF2 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of IGF2 in human serum, plasma, tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IGF2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IGF2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IGF2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of IGF2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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	26,331 Da
NCBI Official Full Name	insulin-like growth factor II isoform 1 preproprotein
NCBI Official Synonym Full Names	insulin like growth factor 2
NCBI Official Symbol	IGF2
NCBI Official Synonym Symbols	GRDF; IGF-II; PP9974; C11orf43
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-II

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/human-rtu-elisa-kits/insulin-like-growth-factor-2-igf2/216181>