

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

Bovine Insulin-like growth factor II, IGF2 ELISA Kit

CATALOG #
AAA112417

REACTIVITY
Bovine

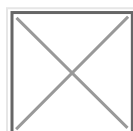
PRODUCT SYNONYMS

insulin-like growth factor 2 (somatomedin A); Bovine Insulin-like growth factor II; IGF2 ELISA Kit; Bovine Insulin-like growth factor II (IGF2) 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	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Bovine IGF2. No significant cross-reactivity or interference between Bovine IGF2 and analogues was observed.
Sequence Length	179
Samples	Serum, plasma
Assay Type	Sandwich
Detection Range	31.25 ng/ml-2000 ng/ml
Sensitivity	7.81 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	glyconeogenesis and glycometabolism
Protein Biological Process 3	Carbohydrate metabolism
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 IGF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any IGF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IGF2 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 IGF2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110350675
NCBI GeneID	281240
NCBI Accession #	NP_776512.2
NCBI GenBank Nucleotide #	NM_174087.3
UniProt Accession #	P07456; Q2HJN0; A0A5F2
Molecular Weight	19,682 Da
NCBI Official Full Name	insulin-like growth factor II
NCBI Official Synonym Full Names	insulin-like growth factor 2 (somatomedin A)
NCBI Official Symbol	IGF2
NCBI Protein Information	insulin-like growth factor II; IGF-II; erythropoietin
UniProt Protein Name	Insulin-like growth factor II
UniProt Gene Name	IGF2
UniProt Synonym Gene Names	IGF-II
UniProt Entry Name	IGF2_BOVIN

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/igf2-bovine-ovine-elisa-kits/insulin-like-growth-factor-2-somatomedin-a/112417>