

Human IGF1R ELISA Kit | IGF1R elisa kit

Human IGF1R PicoKine ELISA Kit

CATALOG #
AAA45769

REACTIVITY
Human

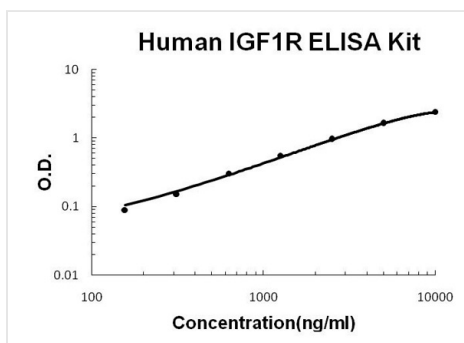
PRODUCT SYNONYMS

IGF1R; Human IGF1R PicoKine ELISA Kit; Insulin-like growth factor 1 receptor; insulin-like growth factor 1 receptor; CD221; CD221 antigen; IGF 1 receptor; IGF 1R; IGF I receptor; IGF-I receptor; Igf1r; IGF1R_HUMAN; IGFI R; IGFI RC; IGFR; Insulin like growth factor 1 receptor; Insulin like growth factor 1 receptor precursor; Insulin-like growth factor 1 receptor beta chain; Insulin-like growth factor I receptor; JTK13; MGC142170; MGC142172; MGC18216; IGF1R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human IGF1R
Sequence Length	1367
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested 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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human IGF1R PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for IGF1R elisa kit	Principle of the assay: human IGF1R ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for IGF1R has been precoated onto 96-well plates. Standards(NSO, E31-N932) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for IGF1R 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 human IGF1R amount of sample captured in plate. Background: IGF1R, also called IGFR or insulin-like growth factor 1 receptor, is a protein that found on the surface of human cells. This gene is mapped to 15q26.3. IGF1R belongs to the large class of tyrosine kinase receptors. This receptor mediates the effects of IGF-1, which is a polypeptide protein hormone similar in molecular structure to insulin. It plays an important role in growth and continues to have anabolic effects in adults - meaning that it can induce hypertrophy of skeletal muscle and other target tissues. IGF1R also plays a critical role in transformation events. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124240
NCBI GeneID	3480
UniProt Accession #	P08069; Q14CV2; Q9UCC0; B1B5Y2
Molecular Weight	154,793 Da
NCBI Official Full Name	Insulin-like growth factor 1 receptor
NCBI Official Synonym Full Names	insulin-like growth factor 1 receptor
NCBI Official Symbol	IGF1R
NCBI Official Synonym Symbols	IGFR; CD221; IGFR; JTK13
NCBI Protein Information	insulin-like growth factor 1 receptor; IGF-I receptor; soluble IGF1R variant 1; soluble IGF1R variant 2; insulin-like growth factor I receptor
UniProt Protein Name	Insulin-like growth factor 1 receptor
UniProt Gene Name	IGF1R
UniProt Synonym Gene Names	IGF-I receptor
UniProt Entry Name	IGF1R_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.