

Rat IGF1R (IGF-1 Receptor) ELISA Kit | IGF1R elisa kit

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CATALOG # AAA250182	REACTIVITY Rat
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PRODUCT SYNONYMS

IGF1R (IGF-1 Receptor); Rat IGF1R (IGF-1 Receptor) ELISA Kit; Insulin-like growth factor 1 receptor; Insulin-like growth factor I receptor; IGF-I receptor; CD221; Insulin-like growth factor 1 receptor alpha chain; Insulin-like growth factor 1 receptor beta chain; Igf1r; IGF1R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IGF1R. No significant cross -reactivity or interference between IGF1R and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for IGF1R elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16258823
NCBI GeneID	25718
NCBI Accession #	NP_434694.1
NCBI GenBank Nucleotide #	NM_052807.2
UniProt Accession #	P24062
Molecular Weight	155,396 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	Igfr1; JTK13; IGFI RC; IGF-1 receptor
NCBI Protein Information	insulin-like growth factor 1 receptor
UniProt Protein Name	Insulin-like growth factor 1 receptor
UniProt Gene Name	Igf1r
UniProt Synonym Gene Names	IGF-I receptor

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/rat-elisa-kits/igf1r-igf-1-receptor-/250182>