

Insulin receptor substrate 2 ELISA Kit | IRS-2 elisa kit

Rat Insulin receptor substrate 2 ELISA Kit

CATALOG #
AAA82208

REACTIVITY
Rat

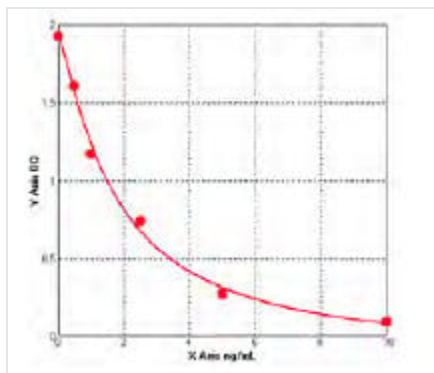
PRODUCT SYNONYMS

Insulin receptor substrate 2; Rat Insulin receptor substrate 2 ELISA Kit; IRS-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IRS2. No significant cross-reactivity or interference between IRS2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IRS2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IRS-2 elisa kit	Intended Uses: This IRS2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatIRS2. This ELISA kit for research use only! Principle of the Assay: IRS2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IRS2 antibody and an IRS2-HRP conjugate. The assay sample and buffer are incubated together with IRS2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the IRS2 concentration since IRS2 from samples and IRS2-HRP conjugate compete for the anti-IRS2 antibody binding site. Since the number of sites is limited, as more sites are occupied by IRS2 from the sample, fewer sites are left to bind IRS2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IRS2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38683860
NCBI GeneID	8660
NCBI Accession #	NP_003740.2
NCBI GenBank Nucleotide #	NM_003749.2
Molecular Weight	137,334 Da
NCBI Official Full Name	insulin receptor substrate 2
NCBI Official Synonym Full Names	insulin receptor substrate 2
NCBI Official Symbol	IRS2
NCBI Official Synonym Symbols	IRS-2
NCBI Protein Information	insulin receptor substrate 2
UniProt Protein Name	Insulin receptor substrate 2
UniProt Gene Name	IRS2
UniProt Synonym Gene Names	IRS-2
UniProt Entry Name	IRS2_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.