

Insulin receptor substrate 1, IRS-1 ELISA Kit | IRS-1 elisa kit

Rat Insulin receptor substrate 1, IRS-1 ELISA Kit

CATALOG #
AAA43371

REACTIVITY
Rat

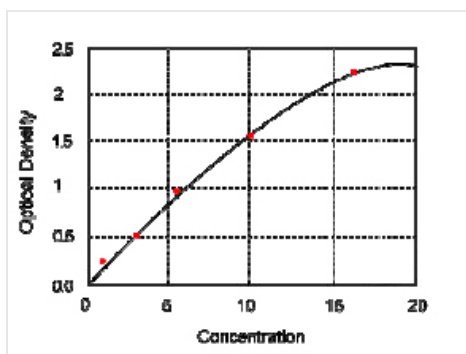
PRODUCT SYNONYMS

Insulin receptor substrate 1; IRS-1; Rat Insulin receptor substrate 1; IRS-1 ELISA Kit; IRS-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	1242
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	3ng/ml - 60ng/ml
Sensitivity	2.13ng/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. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IRS-1 elisa kit	Intended Uses: This sandwich kit is for the accurate quantitative detection of Rat Insulin Receptor Substrate 1 (also known as IRS1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates. Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat IRS1 antibody. IRS1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat IRS1 Antibody is added and binds to IRS1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated IRS1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat IRS1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031805
NCBI GeneID	3667
NCBI Accession #	NP_005535.1
NCBI GenBank Nucleotide #	NM_005544.2
UniProt Accession #	P35568
Molecular Weight	131,591 Da
NCBI Official Full Name	insulin receptor substrate 1
NCBI Official Synonym Full Names	insulin receptor substrate 1
NCBI Official Symbol	IRS1
NCBI Official Synonym Symbols	HIRS-1
NCBI Protein Information	insulin receptor substrate 1
UniProt Protein Name	Insulin receptor substrate 1
UniProt Gene Name	IRS1
UniProt Synonym Gene Names	IRS-1

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/rat-elisa-kits/insulin-receptor-substrate-1-irs-1/43371>