

Sheep Insulin receptor beta ELISA Kit | IRS-beta elisa kit

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CATALOG #
AAA89486

REACTIVITY
Sheep

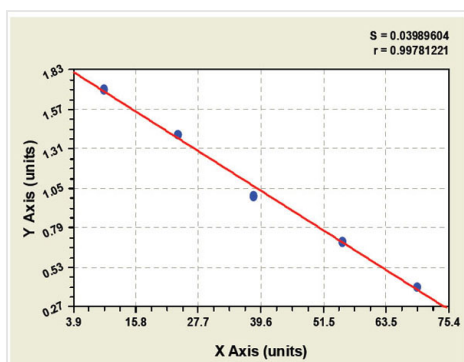
PRODUCT SYNONYMS

Insulin receptor beta; Sheep Insulin receptor beta ELISA Kit; Sheep Insulin receptor b ELISA Kit; IRS-beta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This IRS-beta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IRS-beta. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IRS-beta elisa kit

Principle of the Assay: IRS-beta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IRS-beta antibody and an IRS-beta-HRP conjugate. The assay sample and buffer are incubated together with IRS-beta-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 IRS-beta concentration since IRS-beta from samples and IRS-beta-HRP conjugate compete for the anti-IRS-beta antibody binding site. Since the number of sites is limited, as more sites are occupied by IRS-beta from the sample, fewer sites are left to bind IRS-beta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IRS-beta concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395736
NCBI GeneID	3643
NCBI Accession #	NP_000199.2
NCBI GenBank Nucleotide #	NM_000208.2
Molecular Weight	155,146 Da
NCBI Official Full Name	insulin receptor isoform Long preproprotein
NCBI Official Synonym Full Names	insulin receptor
NCBI Official Symbol	INSR
NCBI Official Synonym Symbols	HHF5; CD220
NCBI Protein Information	insulin receptor; IR
UniProt Protein Name	Insulin receptor
UniProt Gene Name	INSR
UniProt Synonym Gene Names	IR
UniProt Entry Name	INSR_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.

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Online datasheet: <https://stage.aaabiotech.com/irs-beta-sheep-elisa-kits/insulin-receptor-beta/89486>