

Sheep Insulin receptor ELISA Kit | INSR elisa kit

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CATALOG #
AAA95969

REACTIVITY
Sheep

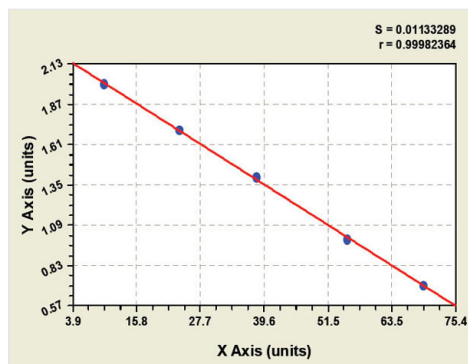
PRODUCT SYNONYMS

Insulin receptor; Sheep Insulin receptor ELISA Kit; INSR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100g/mL
Sensitivity	0.1ng/mL
Intended Uses	This INSR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep INSR. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI GI #	386830
NCBI GeneID	3643
Molecular Weight	155,146 Da
NCBI Official Full Name	insulin receptor
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.