

Rat Anti-Insulin Receptor Antibody ELISA Kit | AIRA elisa kit

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CATALOG #
AAA84921

REACTIVITY
Rat

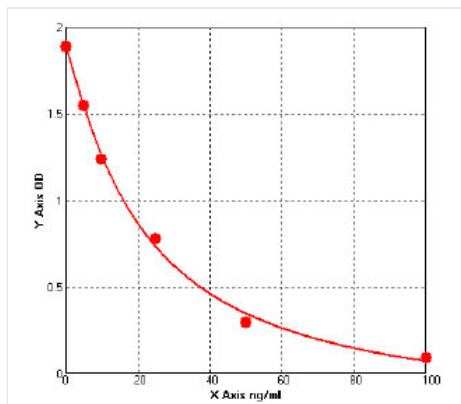
PRODUCT SYNONYMS

Anti-Insulin Receptor Antibody; Rat Anti-Insulin Receptor Antibody ELISA Kit; AIRA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of AIRA. No significant cross-reactivity or interference between AIRA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AIRA 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AIRA elisa kit	Intended Uses: This AIRA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AIRA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AIRA ELISA kit applies the competitive enzyme immunoassay technique utilizing Insulin Receptor antigen and an AIRA-HRP conjugate. The assay sample and buffer are incubated together with AIRA-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 AIRA concentration since AIRA from samples and AIRA-HRP conjugate compete for the Insulin Receptor antigen binding site. Since the number of sites is limited, as more sites are occupied by AIRA from the sample, fewer sites are left to bind AIRA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AIRA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AIRA elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	308153655
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.

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Online datasheet: <https://stage.aaabiotech.com/aira-rat-elisa-kits/anti-insulin-receptor-antibody/84921>