

Rabbit Autoimmune Regulator ELISA Kit | AIRE elisa kit

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CATALOG #
AAA81944

REACTIVITY
Rabbit

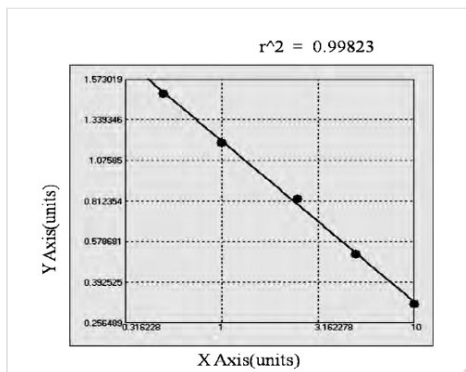
PRODUCT SYNONYMS

Autoimmune Regulator; Rabbit Autoimmune Regulator ELISA Kit; AIRE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This AIRE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit AIRE. 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 AIRE elisa kit

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

Product Categories/Family for AIRE elisa kit	Immunology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557291
NCBI GeneID	326
NCBI Accession #	NP_000374.1
NCBI GenBank Nucleotide #	NM_000383.3
Molecular Weight	36,501 Da
NCBI Official Full Name	autoimmune regulator
NCBI Official Synonym Full Names	autoimmune regulator
NCBI Official Symbol	AIRE
NCBI Official Synonym Symbols	APS1; APSI; PGA1; AIRE1; APECED
NCBI Protein Information	autoimmune regulator; autoimmune polyendocrinopathy candidiasis ectodermal dystrophy protein
UniProt Protein Name	Autoimmune regulator
UniProt Gene Name	AIRE
UniProt Synonym Gene Names	APECED; APECED protein
UniProt Entry Name	AIRE_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/aire-rabbit-elisa-kits/autoimmune-regulator/81944>