

Mouse Autoimmune Regulator (AIRE) ELISA Kit | AIRE elisa kit

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CATALOG #
AAA64403

REACTIVITY
Mouse

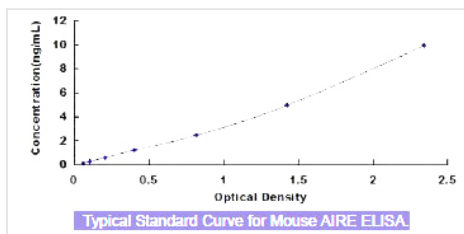
PRODUCT SYNONYMS

Autoimmune Regulator (AIRE); Mouse Autoimmune Regulator (AIRE) ELISA Kit; AIRE1; APECED; APS1; APSI; PGA1; Autoimmune Polyendocrinopathy Candidiasis Ectodermal Dystrophy; AIRE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of AIRE. No significant cross-reactivity or interference between AIRE and analogues was observed.
Sequence Length	551
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AIRE were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AIRE were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AIRE elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AIRE in mouse tissue homogenate and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AIRE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AIRE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain AIRE, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of AIRE in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	409168278
NCBI GeneID	11634
NCBI Accession #	NP_001258478.1
NCBI GenBank Nucleotide #	NM_001271549.1
UniProt Accession #	Q9Z0E3; Q9JLW0; Q9JLW1; Q9JLW2; Q9JLW3; Q9JLW4; Q9JLW5; Q9JLW6; Q9JLW7; Q9JLW8; Q9JLW9; Q9JLX0
Molecular Weight	44,032 Da
NCBI Official Full Name	autoimmune regulator isoform 2
NCBI Official Synonym Full Names	autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy)
NCBI Official Symbol	Aire
NCBI Protein Information	autoimmune regulator
UniProt Protein Name	Autoimmune regulator
UniProt Gene Name	Aire
UniProt Synonym Gene Names	APECED protein homolog

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.