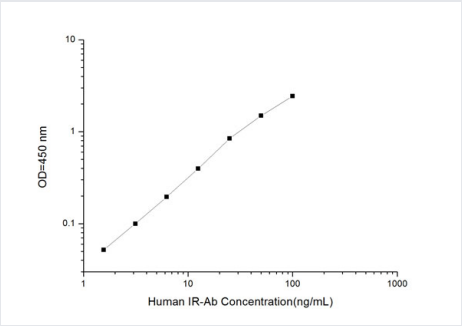
AIRA ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	AIRA, ELISA Kit
Full Product Name	Human AIRA(Anti-Insulin Receptor Antibody)ELISA Kit
Product Gene Name	AIRA elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Biological Fluids
Detection Range	1.563-100ng/mL
Sensitivity	Min: 0.938ng/mL; Max: 100ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Human AIRA. No significant cross-reactivity or interference between Human AIRA and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human AIRA and all the analogues, therefore, cross reaction may still exist.
Preparation and Storage	Store at 4 degree C.
Molecular Weight	2,513 Da
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AIRA elisa kit	**Description:** The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AIRA in human serum, plasma and other biological fluids **Principle of the Assay:** This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human AIRA. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human AIRA and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human AIRA, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human AIRA. You can calculate the concentration of Human AIRA in the samples by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of AIRA elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AIRA purchase	MBS2508970 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the AIRA, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing AIRA. The ELISA analytical biochemical technique of the MBS2508970 kit is based on AIRA antibody-AIRA antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect AIRA antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, AIRA. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of AIRA elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AIRA. It may not necessarily be applicable to this product.

NCBI GI #	341939969
NCBI Accession #	AEL12123.1
NCBI Official Full Name	AtpH, partial (chloroplast)
UniProt Protein Name	AtpH
UniProt Synonym Protein Names	AtpH
UniProt Entry Name	I6MJ45_9POAL
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/human-elisa-kits/aira/2508970