Arachidonic Acid (AA) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Arachidonic Acid (AA), ELISA Kit
Full Product Name	Mouse Arachidonic Acid (AA) ELISA Kit
Product Gene Name	AA elisa kit
Product Synonym Gene Name	ARA
Species Reactivity	Mouse
Samples	Serum, Plasma And Other Biological Fluids
Detection Range	3.12 pg/mL-200 pg/mL
Sensitivity	1.04 pg/mL (mean of 6 independent assays).
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse ANA-IgG. No significant cross-reactivity or interference between Mouse ANA-IgG and analogues was observed.
Preparation and Storage	Store at 2-8 degree C.
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AA elisa kit	Intended Uses: For the quantitative detection of Mouse Anti-nuclear IgG antibody (ANA-IgG) concentration in serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with anti-mouse IgG antibody. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antigen and Streptavidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a substrate solution is added to each well. Only those wells that contain anti-mouse IgG antibody, biotin-conjugated antigen and enzyme-conjugated Streptavidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of ANA-IgG in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of AA 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 AA purchase	MBS283262 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Arachidonic Acid (AA) 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 AA. The ELISA analytical biochemical technique of the MBS283262 kit is based on AA antibody-AA antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect AA antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, AA. 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(%).

ADDITIONAL DETAILS

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

Protein Family	Cytochrome
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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