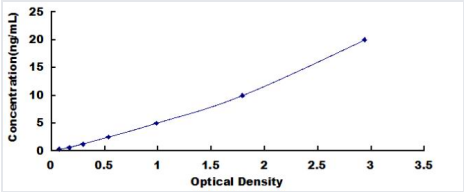
Absent in Melanoma 1 (AIM1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Absent In Melanoma 1 (AIM1), ELISA Kit
Full Product Name	Human Absent In Melanoma 1 (AIM1) ELISA Kit
Product Gene Name	AIM1 elisa kit
Product Synonym Names	ST4; CRYBG1; Suppression Of Tumorigenicity 4; Beta-Gamma Crystallin Domain Containing 1
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue Homogenates, Cell Lysates or Other Biological Fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.134ng/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	61,007 Da
OMIM	601797
3D Structure	ModBase 3D Structure for Q9Y4K1
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for AIM1 elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AIM1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AIM1. 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 AIM1, 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 AIM1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of AIM1 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 AIM1 purchase	MBS457508 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Absent In Melanoma 1 (AIM1) 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 AIM1. The ELISA analytical biochemical technique of the MBS457508 kit is based on AIM1 antibody-AIM1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect AIM1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, AIM1. 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 AIM1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AIM1. It may not necessarily be applicable to this product.

NCBI GI #	728798446
NCBI GeneID	202
NCBI Accession #	NP_001615.2
UniProt Primary Accession #	Q9Y4K1
UniProt Secondary Accession #	O00296; Q5VWJ2; B4DU04
UniProt Related Accession #	Q9Y4K1
GenBank Nucleotide #	NM_001624.3
NCBI Official Full Name	beta/gamma crystallin domain-containing protein 1
NCBI Official Synonym Full Names	crystallin beta-gamma domain containing 1
NCBI Official Symbol	CRYBG1
NCBI Official Synonym Symbols	ST4; AIM1
UniProt Protein Name	Beta/gamma crystallin domain-containing protein 1
UniProt Synonym Protein Names	Absent in melanoma 1 protein
Protein Family	Absent in melanoma 1 protein
UniProt Gene Name	CRYBG1
NCBI Protein Information	beta/gamma crystallin domain-containing protein 1
UniProt Comments for AIM1	May function as suppressor of malignant melanoma. It may exert its effects through interactions with the cytoskeleton.
Research Articles on AIM1	**1.** Single-molecule Force Spectroscopy Reveals the Calcium Dependence of the Alternative Conformations in the Native State of a betagamma-Crystallin Protein.
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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