

Mouse Allograft Inflammatory Factor 1 (AIF1) ELISA Kit | AIF1 elisa kit

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CATALOG #
AAA138120

REACTIVITY
Mouse

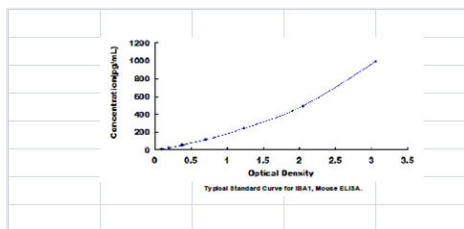
PRODUCT SYNONYMS

Allograft Inflammatory Factor 1 (AIF1); Mouse Allograft Inflammatory Factor 1 (AIF1) ELISA Kit; IBA1; IRT1; Daintain; Protein G1; Ionized calcium-binding adapter molecule 1; AIF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of IBA1. No significant cross-reactivity or interference between IBA1 and analogues was observed.
Sequence Length	147
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	5.6pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IBA1 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 IBA1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AIF1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IBA1 in mouse serum, plasma, tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IBA1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IBA1. 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 IBA1, 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 IBA1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for AIF1 elisa kit	Cytokine; Infection immunity; Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	8392881
NCBI GeneID	29427
NCBI Accession #	NP_058892.1
NCBI GenBank Nucleotide #	NM_017196.3
UniProt Accession #	P55009; P55007; P70491
Molecular Weight	16,827 Da
NCBI Official Full Name	allograft inflammatory factor 1
NCBI Official Synonym Full Names	allograft inflammatory factor 1
NCBI Official Symbol	Aif1
NCBI Official Synonym Symbols	iba1; Bart1; mrf-1; BART-1
NCBI Protein Information	allograft inflammatory factor 1
UniProt Protein Name	Allograft inflammatory factor 1
UniProt Gene Name	Aif1
UniProt Synonym Gene Names	Iba1; Mrf1; AIF-1
UniProt Entry Name	AIF1_RAT

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.