

Human apoptosis-inducing factor, mitochondrion-associated, 1 ELISA Kit | AIFM1 elisa kit

Human apoptosis inducing factor, AIF ELISA Kit

CATALOG #
AAA79942

REACTIVITY
Human

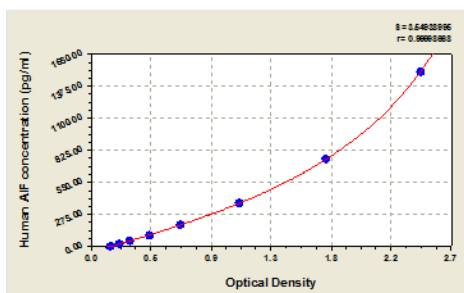
PRODUCT SYNONYMS

apoptosis-inducing factor; mitochondrion-associated; 1; Human apoptosis inducing factor; AIF ELISA Kit; RP3-438D16.2; AIF; MGC111425; PDCD8; programmed cell death 8; programmed cell death 8 (apoptosis-inducing factor) ; striatal apoptosis-inducing factor; AIFM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human AIFM1. No significant cross-reactivity or interference between Human AIFM1 and analogues was observed.
Sequence Length	261
Samples	Serum, plasma, tissue homogenates, Cell lysates
Detection Range	23.5 pg/ml-1500 pg/ml
Sensitivity	5.8 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Apoptosis/Autophagy
Protein Biological Process 3	Apoptosis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AIFM1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AIF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for AIF and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain AIF, biotin-conjugated antibody and enzyme-conjugated Avidin 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 AIF 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 #	195927004
NCBI GeneID	9131
NCBI Accession #	NP_001124318.1
NCBI GenBank Nucleotide #	NM_001130846.2
UniProt Accession #	O95831; Q1L6K4; Q1L6K6; Q2QKE4; Q5JUZ7; Q6I9X6; Q9Y3I3; Q9Y3I4; A4QPB4; B1ALN1; B2RB08; D3DTE9
Molecular Weight	66,901 Da
NCBI Official Full Name	apoptosis-inducing factor 1, mitochondrial isoform 4
NCBI Official Synonym Full Names	apoptosis-inducing factor, mitochondrion-associated, 1
NCBI Official Symbol	AIFM1
NCBI Official Synonym Symbols	AIF; CMT2D; CMTX4; COWCK; NADMR; NAMSD; PDCD8; COXPD6
NCBI Protein Information	apoptosis-inducing factor 1, mitochondrial; striatal apoptosis-inducing factor; programmed cell death 8 (apoptosis-inducing factor); Neuropathy, axonal motor-sensory, with deafness and mental retardation; neuropathy, axonal, motor-sensory with deafness and mental retardation (Cowchock syndrome)
UniProt Protein Name	Apoptosis-inducing factor 1, mitochondrial
UniProt Gene Name	AIFM1
UniProt Synonym Gene Names	AIF; PDCD8
UniProt Entry Name	AIFM1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/aifm1-human-elisa-kits/apoptosis-inducing-factor-mitochondrion-associated-1/79942>