

Human Apoptosis Inducing Factor (AIF) ELISA Kit | AIF elisa kit

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CATALOG #
AAA63428

REACTIVITY
Human

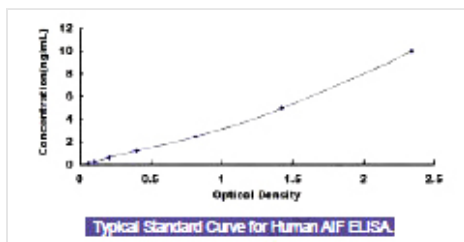
PRODUCT SYNONYMS

Apoptosis Inducing Factor (AIF); Human Apoptosis Inducing Factor (AIF) ELISA Kit; PDCD8; Programmed Cell Death protein 8; Apoptosis-inducing factor 1; mitochondrial; AIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AIF. No significant cross-reactivity or interference between AIF and analogues was observed.
Sequence Length	274
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AIF 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 AIF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AIF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AIF in human serum, plasma, tissue homogenates and other biological fluids. 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 to AIF. 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 AIF, 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 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 #	923424571
NCBI GeneID	9131
NCBI Accession #	NP_001124318.2
NCBI GenBank Nucleotide #	NM_001130846.3
UniProt Accession #	O95831; Q1L6K4; Q1L6K6; Q2QKE4; Q5JUZ7; Q6I9X6; Q9Y3I3; Q9Y3I4; A4QPB4; B1ALN1; B2RB08; D3DTE9
Molecular Weight	26,033 Da
NCBI Official Full Name	apoptosis-inducing factor 1, mitochondrial isoform AIFsh
NCBI Official Synonym Full Names	apoptosis inducing factor mitochondria associated 1
NCBI Official Symbol	AIFM1
NCBI Official Synonym Symbols	AIF; CMT2D; CMTX4; COWCK; DFNX5; NADMR; NAMSD; PDCD8; COXPD6
NCBI Protein Information	apoptosis-inducing factor 1, mitochondrial
UniProt Protein Name	Apoptosis-inducing factor 1, mitochondrial
UniProt Gene Name	AIFM1
UniProt Synonym Gene Names	AIF; PDCD8

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.