

Rat Apoptosis-inducing factor 1, mitochondrial ELISA Kit | Aifm1 elisa kit

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CATALOG #
AAA99548

REACTIVITY
Rat

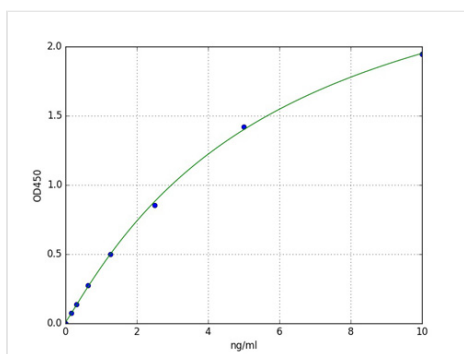
PRODUCT SYNONYMS

Apoptosis-inducing factor 1; mitochondrial; Rat Apoptosis-inducing factor 1; mitochondrial ELISA Kit; Aifm1/Programmed cell death protein 8/AIFM1/AIF/COXPD6/PDCD8/apoptosis-inducing factor 1; mitochondrial/apoptosis-inducing factor; mitochondrion-associated; 1/striatal apoptosis-inducing factor/programmed cell death 8 (apoptosis-inducing factor); Aifm1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	613
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Aifm1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.001	0.071	0.127	0.287	0.447	0.871	1.557	1.942

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Aifm1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Aifm1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Aifm1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Aifm1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Aifm1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757732
NCBI GeneID	9131
NCBI Accession #	NP_004199.1
NCBI GenBank Nucleotide #	NM_004208.3
Molecular Weight	26,033 Da
NCBI Official Full Name	apoptosis-inducing factor 1, mitochondrial isoform AIF
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
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-rat-elisa-kits/apoptosis-inducing-factor-1-mitochondrial/99548>