

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

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CATALOG #
AAA330843

REACTIVITY
Human

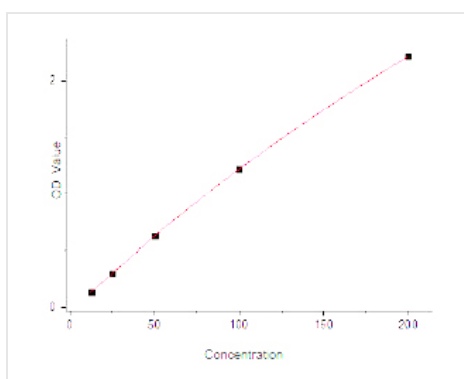
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	261
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AIF elisa kit

Principle of the Assay: Human Apoptosis Inducing Factor (AIF) ELISA Kit employs a two-site sandwich ELISA to quantitate AIF in samples. An antibody specific for AIF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AIF present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human AIF detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of AIF bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Apoptosis-inducing factor (AIF) is a flavin adenine dinucleotide-containing, NADH-dependent oxidoreductase residing in the mitochondrial intermembrane space, which contributes to cell death programmes and participates in the assembly of the respiratory chain. Besides playing a key role in execution of caspase-independent cell death, AIF has emerged as a protein critical for cell survival. Importantly, AIF deficiency leads to severe mitochondrial dysfunction, causing muscle atrophy and neurodegeneration in model organisms as well as in humans.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195927004
NCBI Accession #	NP_001124318.1
NCBI GenBank Nucleotide #	NP_001124318.1
UniProt Accession #	O95831
NCBI Official Full Name	apoptosis-inducing factor 1, mitochondrial isoform 4
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://www.aaabiotech.com/human-elisa-kits/apoptosis-inducing-factor-aif/330843>