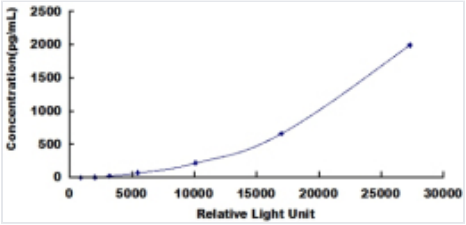
Apoptosis Inducing Factor (AIF) CLIA Kit for Human

PRODUCT OVERVIEW

Product Name	Apoptosis Inducing Factor (AIF), CLIA Kit
Full Product Name	Human Apoptosis Inducing Factor (AIF) CLIA Kit
Product Gene Name	AIF clia kit
Product Synonym Names	PDCD8; Programmed Cell Death protein 8; Apoptosis-inducing factor 1, mitochondrial
Species Reactivity	Human
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	2.74-2,000pg/mL
Sensitivity	1.17pg/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of Apoptosis Inducing Factor (AIF). No significant cross-reactivity or interference between Apoptosis Inducing Factor (AIF) and analogues was observed.
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.
Molecular Weight	74,050 Da
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Apoptosis Inducing Factor (AIF) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Apoptosis Inducing Factor (AIF) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Product Categories/Family for AIF clia kit	Signal transduction; Apoptosis
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Related Product Information for AIF clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Apoptosis Inducing Factor (AIF). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Apoptosis Inducing Factor (AIF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Apoptosis Inducing Factor (AIF) level in the sample or standard.;

Other Notes	Small volumes of AIF clia kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AIF purchase	MBS2025414 is a CLIA kit targeting AIF. Also known as Human Apoptosis Inducing Factor (AIF) CLIA Kit. Reactive in Human.



Typical Testing Data/Standard Curve (for reference only) of AIF clia kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AIF. It may not necessarily be applicable to this product.

NCBI GI #	442625344
NCBI GeneID	33390
NCBI Accession #	NP_001259907.1
UniProt Secondary Accession #	Q95TL9; Q960F8; B5RIR8
UniProt Related Accession #	Q9VQ79
GenBank Nucleotide #	NM_001272978.1
NCBI Official Full Name	apoptosis inducing factor, isoform C
NCBI Official Synonym Full Names	Apoptosis inducing factor
NCBI Official Symbol	AIF
NCBI Official Synonym Symbols	aif; CG7263; DmAIF; DmelCG7263; SD03428p
UniProt Protein Name	Putative apoptosis-inducing factor 1, mitochondrial
Protein Family	Putative apoptosis-inducing factor
UniProt Gene Name	AIF
UniProt Synonym Gene Names	DmAIF
UniProt Entry Name	AIFM1_DROME
NCBI Protein Information	CG7263 gene product from transcript CG7263-RC
UniProt Comments for AIF	Probable NADH oxidoreductase (). Mitochondrial effector of cell death that plays roles in developmentally regulated cell death and normal mitochondrial function.
Research Articles on AIF	**1.** Drosophila Apoptosis-inducing factor (AIF) is a mitochondrial effector of cell death that plays roles in developmentally regulated cell death and normal mitochondrial function.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-clia-kits/apoptosis-inducing-factor-aif/2025414