

Human Fission 1 (FIS1) ELISA Kit | FIS1 elisa kit

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CATALOG #
AAA65905

REACTIVITY
Human

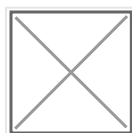
PRODUCT SYNONYMS

Fission 1 (FIS1); Human Fission 1 (FIS1) ELISA Kit; CGI-135; TTC11; Tetratricopeptide Repeat Domain 11; Mitochondrial fission 1 protein; FIS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FIS1. No significant cross-reactivity or interference between FIS1 and analogues was observed.
Sequence Length	152
Samples	Human tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.114ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FIS1 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 FIS1 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 FIS1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of FIS1 in human tissue homogenates, cell lysates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FIS1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FIS1. 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 FIS1, 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 FIS1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	151108473
NCBI GeneID	51024
NCBI Accession #	NP_057152.2
NCBI GenBank Nucleotide #	NM_016068.2
UniProt Accession #	Q9Y3D6; Q9BTP3
Molecular Weight	16,938 Da
NCBI Official Full Name	mitochondrial fission 1 protein
NCBI Official Synonym Full Names	fission, mitochondrial 1
NCBI Official Symbol	FIS1
NCBI Official Synonym Symbols	TTC11; CGI-135
NCBI Protein Information	mitochondrial fission 1 protein
UniProt Protein Name	Mitochondrial fission 1 protein
UniProt Gene Name	FIS1
UniProt Synonym Gene Names	TTC11; hFis1; TPR repeat protein 11

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/human-elisa-kits/fission-1-fis1/65905>