

Mouse Frataxin (FXN) ELISA Kit | FXN elisa kit

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CATALOG #
AAA139339

REACTIVITY
Mouse

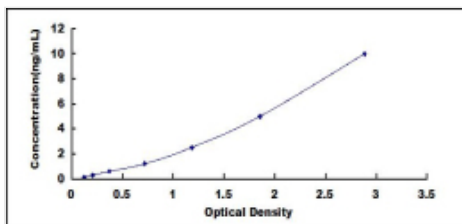
PRODUCT SYNONYMS

Frataxin (FXN); Mouse Frataxin (FXN) ELISA Kit; FA; CyaY; FARR; FRDA; X25; Friedreich ataxia protein; Frataxin intermediate form; Frataxin; mitochondrial; FXN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Frataxin (FXN). No significant cross-reactivity or interference between Frataxin (FXN) and analogues was observed.
Sequence Length	187
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Frataxin (FXN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Frataxin (FXN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FXN elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Frataxin (FXN). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Frataxin (FXN). 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 Frataxin (FXN), 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 Frataxin (FXN) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FXN elisa kit	Infection immunity; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	42566266
NCBI GeneID	828013
NCBI Accession #	NP_192233.2
NCBI GenBank Nucleotide #	NM_116562.3
UniProt Accession #	Q9ZR07; Q6GKV0
Molecular Weight	21,430 Da
NCBI Official Full Name	frataxin
NCBI Official Symbol	FH
NCBI Official Synonym Symbols	ATFH; F4C21.17; F4C21_17; FH; frataxin homolog
NCBI Protein Information	frataxin
UniProt Protein Name	Frataxin, mitochondrial
UniProt Gene Name	FH
UniProt Synonym Gene Names	Fxn
UniProt Entry Name	FRDA_ARATH

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/mouse-elisa-kits/frataxin-fxn/139339>