FXN Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	FXN, Monoclonal Antibody
Full Product Name	FXN (frataxin, CyaY, FA, FARR, FRDA, MGC57199, X25) (MaxLight 490)
Product Gene Name	anti-FXN antibody
Product Synonym Names	frataxin; CyaY; FA; FARR; FRDA; MGC57199; X25
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3F3
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified
Specificity	Recognizes FXN.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of proc centrifuge the original vial prior to removing the cap.
Immunogen	FXN (AAH48097.1, 91aa-200aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	DETTYERLAEETLDSLAEFFEDLADKPYTFEDYDVSFGSGVLTVKLGGDLGTYVINKQTPNKQIWLSSPSSGPKRYDWTGKNWVYSHDGVSLHELLAAEL
Conjugate	MaxLight490
Product Categories/Family for anti-FXN antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-FXN antibody	Western Blot (WB)
Application Notes for anti-FXN antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-FXN antibody	This nuclear gene encodes a mitochondrial protein which belongs to FRATAXIN family. The protein functions in regulating mitochondrial iron transport respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [pro RefSeq]
Other Notes	Small volumes of anti-FXN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar 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 may apply.

Searchable Terms for FXN purchase	MBS6206343 is an antibody targeting FXN. Also known as FXN (frataxin, CyaY, FA, FARR, FRDA, MGC57199, X25) (MaxLight 490). Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	29127013
NCBI GeneID	2395
NCBI Accession #	AAH48097.1
UniProt Related Accession #	Q16595
NCBI Official Full Name	Frataxin
NCBI Official Synonym Full Names	frataxin
NCBI Official Symbol	FXN
NCBI Official Synonym Symbols	FA; X25; CyaY; FARR; FRDA
Protein Family	Frataxin
NCBI Protein Information	frataxin, mitochondrial
NCBI Summary for FXN	This nuclear gene encodes a mitochondrial protein which belongs to the FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA from 8-33 repeats to >90 repeats results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]
Research Articles on FXN	**1.** frataxin (FXN) is functionally linked to the mobile S-transfer loop cysteine of catalytic NFS1 of the Fe-S cluster assembly complex. FXN accelerates Fe-S cluster formation by positioning a mobile loop cysteine of the assembly complex to interact with the substrate and function as an acid, nucleophile, and sulfur carrier during the reaction.
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.
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Online datasheet: https://www.mybiosource.com/monoclonal-antibody/fxn/6206343