FECH Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	FECH, Monoclonal Antibody
Full Product Name	FECH (Ferrochelatase (Protoporphyria), EPP, FCE) (MaxLight 750)
Product Gene Name	anti-FECH antibody
Product Synonym Names	Ferrochelatase (Protoporphyria); EPP; FCE
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	3H3
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes FECH.
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 prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery o centrifuge the original vial prior to removing the cap.
Molecular Weight	48,625 Da
OMIM	177000
3D Structure	ModBase 3D Structure for Q8NAN0
Immunogen	FECH (NP_000131, 314aa-423aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	QTDESIKGLCERGRKNILLVPIAFTSDHIETLYELDIEYSQVLAKECGVENIRRAESLNGNPLFSKALADLVHSHIQSNELCSKQLTLSCPLCVNPVCRETKSF
Conjugate	MaxLight750
Product Categories/Family for anti-FECH antibody	Antibodies; Enzymes; Synthase
Applications Tested/Suitable for anti-FECH antibody	FLISA
Application Notes for anti-FECH antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-FECH antibody	The protein encoded by this gene is localized to the mitochondrion, where it catalyzes the insertion of the ferrous form of iron into protoporphyrin IX in t synthesis pathway. Mutations in this gene are associated with erythropoietic protoporphyria. Two transcript variants encoding different isoforms have b found for this gene. [provided by RefSeq]

Other Notes	Small volumes of anti-FECH antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess 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 add dry ice fee may apply.
Searchable Terms for FECH purchase	MBS6238180 is an antibody targeting FECH. Also known as FECH (Ferrochelatase (Protoporphyria), EPP, FCE) (MaxLight 750). Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	60499021
NCBI GeneID	2235
NCBI Accession #	NP_000131
UniProt Primary Accession #	Q8NAN0
UniProt Secondary Accession #	Q8IXN1; Q8NAN0; A8KA72
UniProt Related Accession #	P22830
GenBank Nucleotide #	NM_000140
NCBI Official Full Name	ferrochelatase, mitochondrial isoform b
NCBI Official Synonym Full Names	ferrochelatase
NCBI Official Symbol	FECH
NCBI Official Synonym Symbols	EPP; FCE
UniProt Protein Name	Ferrochelatase, mitochondrial
UniProt Synonym Protein Names	Heme synthase; Protoheme ferro-lyase
UniProt Gene Name	FECH
UniProt Entry Name	HEMH_HUMAN
NCBI Protein Information	ferrochelatase, mitochondrial; heme synthase; heme synthetase; protoheme ferro-lyase; protoporphyria
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