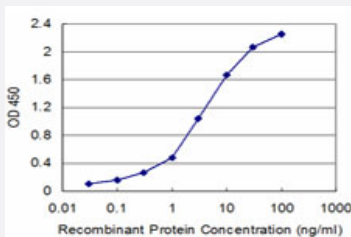


FXN monoclonal antibody (M06), clone 5D4

Catalog # H00002395-M06

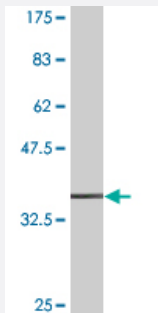
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FXN is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FXN.
Immunogen	FXN (AAH48097.1, 91 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DETTYERLAEETLDSLAEFFEDLADKPYTFEDYDVSFGSGVLTVKLGDDLGTIVINKQTPNKQMWL SSPSSGPKRYDWTGKNWVYSHDGVSLHELLAAELTKALKTKLDL
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FXN is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — FXN

Entrez GeneID

[2395](#)

GeneBank Accession#

[NM_000144](#)

Protein Accession#

[AAH48097.1](#)

Gene Name

FXN

Gene Alias

CyaY, FA, FARR, FRDA, MGC57199, X25

Gene Description

frataxin

Omim ID

[229300](#) [606829](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This nuclear gene encodes a mitochondrial protein which belongs to FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

OTTHUMP00000021428

Disease

- [Cardiomegaly](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Cerebellar Ataxia](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fragile X syndrome](#)
- [Friedreich Ataxia](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Interview](#)
- [Muscular Atrophy](#)
- [Myocardial Infarction](#)
- [Myotonic dystrophy](#)
- [Prostatic Neoplasms](#)
- [Schizophrenia](#)
- [Scoliosis](#)
- [Spinal muscular atrophy](#)