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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FH monoclonal antibody (M01), clone 2E10

Catalog # : H00002271-M01

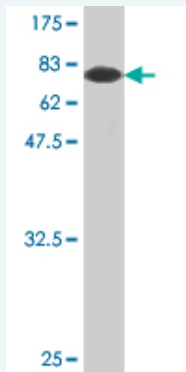
規格 : [100 ug]

[List All](#)

Specification

| | |
|-----------------------------|---|
| Product Description: | Mouse monoclonal antibody raised against a full-length recombinant FH. |
| Immunogen: | FH (AAH03108, 33 a.a. ~ 510 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence: | VPSFWPPNAARMASQNSFRIEYDTFGELKVPNDKYYGAQTVRSTMNFKI GGVTERMPTPVKAF GILKRAAAEVNQDYGLDPKIANAIMKAADEVAEGKL NDHFPLVWVQTGSGTQTNMNVNEISNRAIEMLGELGSKIPVHPNDHVN KSQSSNDTFPTAMHIAAAIEVHEVLLPGLQKLHDALDAKSKEFAQIIKIGRT HTQDAVPLTLGQEFSGYVQVQKYAMTRIKAAMPRIYELAAGGTAVGTGL NTRIGFAEKVAAKVAALTGLPFVTAPNKFEALAAHDALVELSGAMNTTAC SLMKIANDIRFLGSGPRSGLGELILPENEPGSSIMPGKVNPQCEAMTMV AAQVMGNHVAVTVGGSNHGFELNVFKPMMIKNVLHSARLLGDASVSFTE NCVVGIQANTERINKLMNESLMLVTALNPHIGYDKAAKIAKTAHKNGSTLKE TAEELGYLTAEQFDEWVKPKDMLGPK |
| Host: | Mouse |
| Reactivity: | Human |
| Isotype: | IgG2b Kappa |

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (78.32 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

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

MSDS: [Download](#)

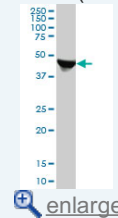
Datasheet: [Download](#)

Publication Reference

- Mitochondrial membrane assembly of TMEM70 protein.
Kratovichilova H, Hejzlarova K, Vrbacky M, Mracek T, Karbanova V, Tesarova M, Gombitova A, Cmarko D, Wittig I, Zeman J, Houstek J. Mitochondrion. 2014 Feb 25;15C:1-9. doi: 10.1016/j.mito.2014.02.010.

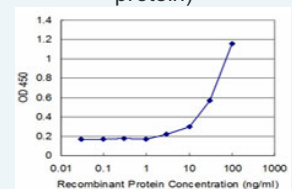
Application Image

Western Blot (Cell lysate)



Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)

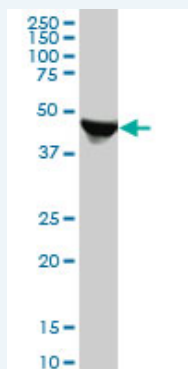


ELISA


2. High Molecular Weight Forms of Mammalian Respiratory Chain Complex II.
Kovarova N, Mracek T, Nuskova H, Holzerova E, Vrbacky M, Pecina P, Hejzlarova K,
Kluckova K, Rohlena J, Neuzil J, Houstek JPLoS One. 2013;8(8):e71869. doi:
10.1371/journal.pone.0071869.

Applications

Western Blot (Cell lysate)



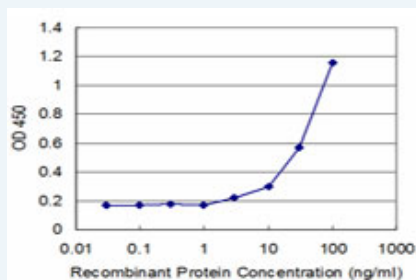
FH monoclonal antibody (M01), clone 2E10. Western Blot analysis of FH expression in HeLa (Cat # L013V1).

 [Protocol Download](#)


Western Blot (Recombinant protein)

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged FH is approximately 3ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [2271](#)

GeneBank [BC003108](#)

Accession#:

Protein [AAH03108](#)

Accession#:

Gene Name: FH

Gene Alias: HLRCC,LRCC,MCL,MCUL1

Gene Description: fumarate hydratase

Description:

Omim ID: [136850](#), [150800](#), [605839](#), [606812](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is an enzymatic component of the tricarboxylic acid (TCA) cycle, or Krebs cycle, and catalyzes the formation of L-malate from fumarate. It exists in both a cytosolic form and an N-terminal extended form, differing only in the translation start site used. The N-terminal extended form is targeted to the mitochondrion, where the removal of the extension generates the same form as in the cytoplasm. It is similar to some thermostable class II fumarases and functions as a homotetramer. Mutations in this gene can cause fumarase deficiency and lead to progressive encephalopathy. [provided by RefSeq]

Other Designations: OTTHUMP00000037573,fumarase,multiple hereditary cutaneous leiomyomata

Gene Pathway

[Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
[Biosynthesis of phenylpropanoids](#) [Citrate cycle \(TCA cycle\)](#) [Metabolic pathways](#)
[Pathways in cancer](#) [Reductive carboxylate cycle \(CO2 fixation\)](#) [Renal cell carcinoma](#)

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