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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FH monoclonal antibody (M07), clone 5C12

Catalog # : H00002271-M07

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.

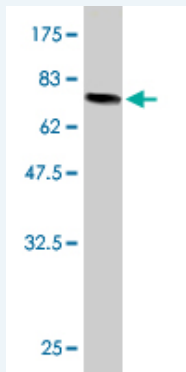
Sequence:
 VPSFWPPNAARMASQNSFRIEYDTFGELKVPNDKYYGAQTVRSTMNFKI
 GGVTTERMPTPVKAF GILKRAAAEVNQDYGLDPKIANAIMKAADEVAEGKL
 NDHFPLVWQTGSGTQTNMNVNEVISNRAIEMLGELGSKIPVHPNDHVN
 KSQSSNDTFPTAMHIAAAIEVHEVLLPGLQKLHDALDAKSKEFAQIIKIGRT
 HTQDAVPLTLGQEFSGYVQQVKYAMTRIKAAMPRIYELAAGGTAVGTGL
 NTRIGFAEKVAAKVAALTGLPFVTAPNKFEALAAHDALVELSGAMNTTAC
 SLMKIANDIRFLGSGPRSGLGELILPENEPGSSIMPGKVNPTQCEAMTMV
 AAQVMGNHVAVTVGGSNHGFELNVFKPMMIKNVLHSARLLGDASVSFTE
 NCVVGIQANTERINKLMNESLMLVTALNPHIGYDKAAKIAKTAHKNGSTLKE
 TAIELGYLTAEQFDEWVKPKDMLGPK

Host: Mouse

Reactivity: Human

Isotype: IgG2a 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](#)

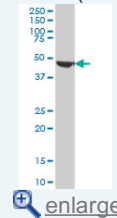
Datasheet: [Download](#)

Applications

Western Blot (Cell lysate)

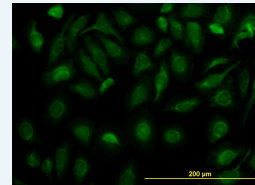
Application Image

Western Blot (Cell lysate)

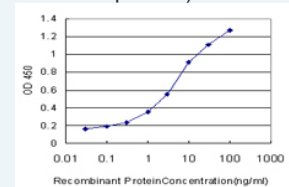


Western Blot (Recombinant protein)

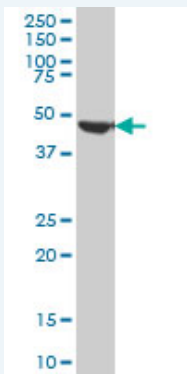
Immunofluorescence



Sandwich ELISA (Recombinant protein)



ELISA



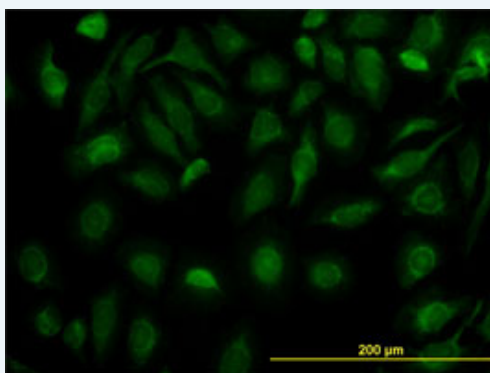
FH monoclonal antibody (M07), clone 5C12 Western Blot analysis of FH expression in HeLa (Cat # L013V1).

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunofluorescence

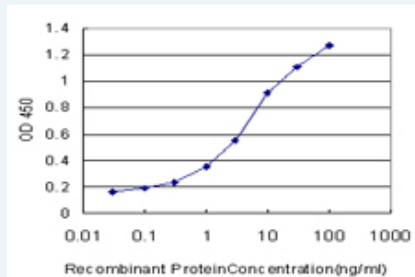


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to FH on HeLa cell. [antibody concentration 10 ug/ml]

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged FH is approximately 0.1ng/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 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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