

Datasheet

FH monoclonal antibody (M09), clone 3E7

Catalog Number: H00002271-M09

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant FH.

Clone Name: 3E7

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:

VPSFWPPNAARMASQNSFRIEYDTFGELKVPNDKYYG
AQTVRSTMNFKIGGVTERMPTPVIKAFGILKRAAAEVN
QDYGLDPKIANAIMKAADEVAEGKLNDFPLVVWQTG
SGTQTNMNVNEVISNRAIEMLGELGSKIPVHPNDHV
NKSQSSNDTFPTAMHIAAAIEVHEVLLPGLQKLHDALD
AKSKEFAQIIKIGRTHQTDAVPLTLGQEFSGYVQQVKY
AMTRIKAAMPRIYELAAGGTAVGTGLNTRIGFAEKVAA
KVAALTGLPFVTAPNKFEALAAHDALVELSGAMNTTAC
SLMKIANDIRFLGSGPRSGLGELILPENEPGSSIMPGKV
NPTQCEAMTMVAAQVMGNHVAVTVGGSNHGFELNVF
KPMMIKNVLHSARLLGDASVSFTENCVVGIQANTERIN
KLMNESLMLVTALNPHIGYDKAAKIAKTAHKNGSTLKE
TAIELGYLTAEQFDEWVKPKDMLGPK

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2b Kappa

Storage Buffer: In 1x PBS, pH 7.4

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

Entrez GeneID: 2271

Gene Symbol: FH

Gene Alias: HLRCC, LRCC, MCL, MCUL1

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]