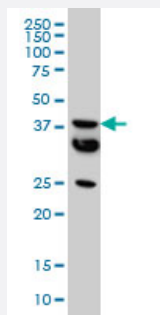


MT monoclonal antibody (M01), clone 2F2

Catalog # H00027349-M01

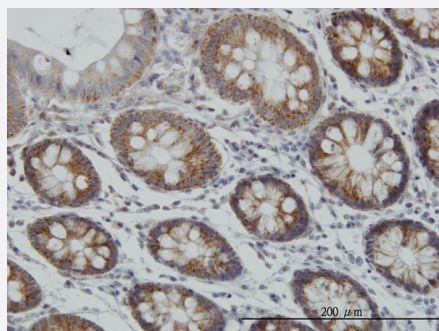
Size 100 ug

Applications



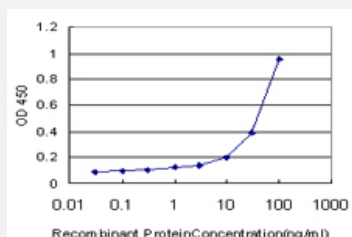
Western Blot (Cell lysate)

MT monoclonal antibody (M01), clone 2F2 Western Blot analysis of MT expression in HeLa (Cat # L013V1).



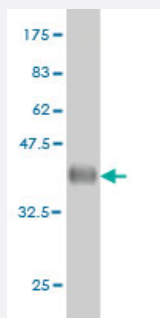
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MT on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MT is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MT.
Immunogen	MT (NP_775738, 291 a.a. ~ 390 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KKPLVSVYSNVHAHRYRHPGHIHKLLAQQLVSPVKWEQTMHAIYERKKGRGFPQTFEVGPGRQL GAILKSCNMQAWKSYSADVLTQLEHVDLDPQEPPR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (74); Rat (73)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 (Cell lysate)

MT monoclonal antibody (M01), clone 2F2 Western Blot analysis of MT expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MT on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MT is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MCAT

Entrez GeneID [27349](#)

GeneBank Accession# [NM_173467](#)

Protein Accession# [NP_775738](#)

Gene Name MCAT

Gene Alias FASN2C, MCT, MGC47838, MT, fabD

Gene Description malonyl CoA:ACP acyltransferase (mitochondrial)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is found exclusively in the mitochondrion, where it catalyzes the transfer of a malonyl group from malonyl-CoA to the mitochondrial acyl carrier protein. The encoded protein may be part of a fatty acid synthase complex that is more like the type II prokaryotic and plastid complexes rather than the type I human cytosolic complex. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations malonyl-CoA:acyl carrier protein transacylase, mitochondrial|mitochondrial malonyltransferase

Pathway

- [Fatty acid biosynthesis](#)

- [Metabolic pathways](#)

Disease

- [Disease Susceptibility](#)
- [Kidney Failure](#)
- [Prostatic Neoplasms](#)