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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ME1 monoclonal antibody (M03), clone 3H5

Catalog # : H00004199-M03

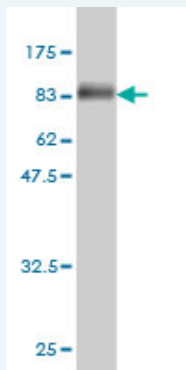
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a full length recombinant ME1.
Immunogen:	ME1 (AAH25246, 1 a.a. ~ 572 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MEPEAPRRRHTHQRGYLLTRNPHLNKDLAFTLEERQQLNIHGLLPSPFN SVEIQVLRVWKNFEHLNSDFDRYLMLLMDLQDRNEKLFYRVLTSIEKFMPI VYTPTVGLACQQYSLVFRKPRGLFITIHDRGHASVLANAWPEDVIKAIWV DGERILGLGDLGCNGMGIPVGLALYTACGGMNPQECLPVILDVGTENE ELLKDPLYIGLRQRRVRGSEYDDFLDEFMEAVSSKYGMNCLIQFEDFAN VNAFRLLNKYRNQYCTFNDDIQGTASVAVAGLLAALRITKNKLSAQITLQ GAGEAALGIAHLIVMALEKEGLPKEKAIKKIWLVDKGLVKGRASLTQEKE KFAHEHEEMKNLEAIVQEIKPTALIGVAAIGGAFSEQILKDMAAFNERPIIFA LSNPTSKAECSAEQCYKITKGRAIFASGSPFDPVTLPNGQTLYPGQGN SYVFPVALGVACGLRQITDNIFLTTAEVIAQQVSDKHLEEGRLYPPLNT IRDVSLKIAEKVKDAYQEKATVYPEPQNKEAFVRSQMYSTDYDQILPDC YSWPPEEVQKIQTQVDQ
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (88.66 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](#)

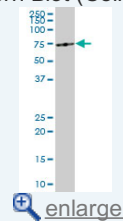
Datasheet: [Download](#)

Publication Reference

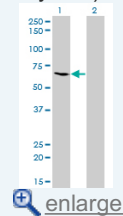
1. [Role for malic enzyme, pyruvate carboxylation and mitochondrial malate import in the glucose-stimulated insulin secretion.](#)

Application Image

Western Blot (Cell lysate)

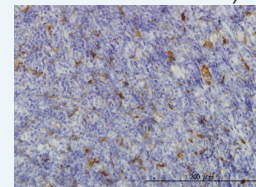


Western Blot (Transfected lysate)

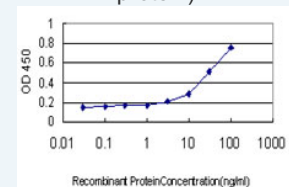


Western Blot (Recombinant protein)

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



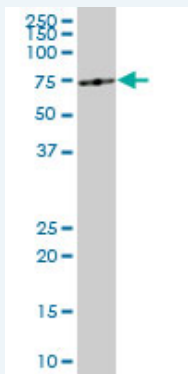
Sandwich ELISA (Recombinant protein)




ELISA

Applications

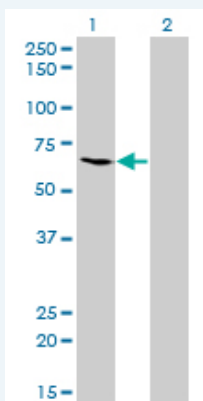
Western Blot (Cell lysate)



ME1 monoclonal antibody (M03), clone 3H5. Western Blot analysis of ME1 expression in HepG2 (Cat # L019V1).

 [Protocol Download](#)

Western Blot (Transfected lysate)




Western Blot analysis of ME1 expression in transfected 293T cell line by ME1 monoclonal antibody (M03), clone 3H5.

Lane 1: ME1 transfected lysate(64.1 KDa).

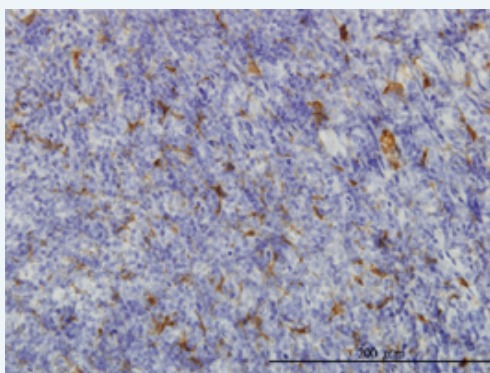
Lane 2: Non-transfected lysate.


 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

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

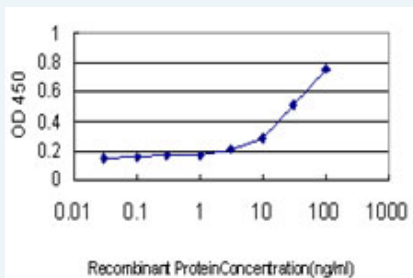


 [enlarge this image](#)

Immunoperoxidase of monoclonal antibody to ME1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 0.5 ug/ml]

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged ME1 is approximately 1ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [4199](#)

GeneBank [BC025246](#)

Accession#:

Protein [AAH25246](#)

Accession#:

Gene Name: ME1

Gene Alias: HUMNDME, MES

Gene Description: malic enzyme 1, NADP(+)-dependent, cytosolic

Omim ID: [154250](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a cytosolic, NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis. The activity of this enzyme, the reversible oxidative decarboxylation of malate, links the glycolytic and citric acid cycles. The regulation of expression for this gene is complex. Increased expression can result from elevated levels of thyroid hormones or by higher proportions of carbohydrates in the diet. [provided by RefSeq]

Other Designations: Malic enzyme, cytoplasmic, NADP-dependent malic enzyme, OTTHUMP00000016792, cytosolic malic enzyme 1, malate dehydrogenase, malic enzyme 1, soluble, pyruvic-malic carboxylase

Gene Pathway

[Biosynthesis of alkaloids derived from histidine and purine](#)
[Biosynthesis of alkaloids derived from ornithine, lysine and nicotinic acid](#)
[Biosynthesis of alkaloids derived from shikimate pathway](#)
[Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
[Biosynthesis of terpenoids and steroids](#) [Carbon fixation in photosynthetic organisms](#)
[Metabolic pathways](#) [PPAR signaling pathway](#) [Pyruvate metabolism](#)

Related Disease

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