

Product Datasheet

ME1 Antibody (3H5) - Azide and BSA Free H00004199-M03

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 2

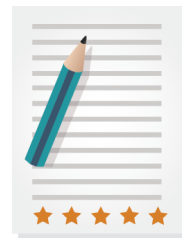
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H00004199-M03

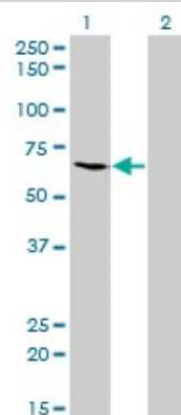
ME1 Antibody (3H5) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3H5
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4199
Gene Symbol	ME1
Species	Human, Mouse
Specificity/Sensitivity	ME1 - malic enzyme 1, NADP(+)-dependent, cytosolic
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. MEPEAPRRRHQTHQRGYLLTRNPHLNKDLAFTLEERQQLNIHGLLPSPFNSQEIQ VLRVVKNFELNSDFDRYLLMDLQDRNEKLFYRVLTSDIEKFMPIVYTPTVGLA CQQYSLVFRKPRGLFITIHDRGHASVLNAWPEDVIKAIIVTDGERILGLGDLGC NGMGIPVGKLALYTACGMNPQECLPVILDVGTENEELLKDPLYIGLRQRRVR GSEYDDFLDEFMEAVSSKYGMNCLIQFEDFANVNAFRLLNKYRNQYCTFNDDI QGTASVAVAGLLAALRITKNKLSQDQTLFQGAGEAALGIAHLIVMALEKEGLPKE KAIKKIWLVDKGLIVKGRASLTQEKEKFAHEHEEMKNLEAIVQEIKPTALIGVAA IGGAFSEQILKDMAAFNERPIIFALSNPSTKAECSEAEQCYKITKGRAIFASGSPFD PVTLPNGQTLYPGQGNNSYVFPGVACGLRQITDNIFLTAEVIAQQVSD KHLEEGRLYPPLNTIRDVSLKIAEKIVKDAYQEKTATVYPEPQNKEAFVRSQMY STDYDQILPDCYSWPPEEVQKIQTQVDQ
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P and ELISA.

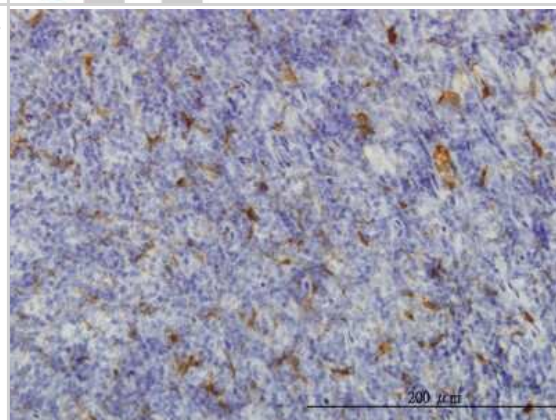


Images

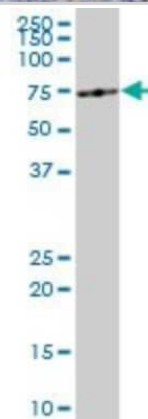
Western Blot: ME1 Antibody (3H5) [H00004199-M03] - Analysis of ME1 expression in transfected 293T cell line by ME1 monoclonal antibody (M03), clone 3H5. Lane 1: ME1 transfected lysate (64.1 KDa). Lane 2: Non-transfected lysate.



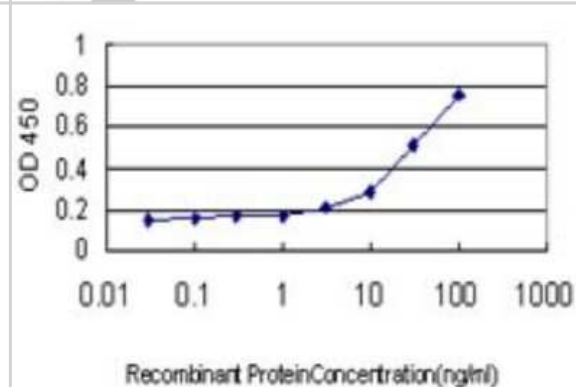
Immunohistochemistry-Paraffin: ME1 Antibody (3H5) [H00004199-M03] - Analysis of monoclonal antibody to ME1 on formalin-fixed paraffin-embedded human tonsil. Antibody concentration 0.5 ug/ml



Western Blot: ME1 Antibody (3H5) [H00004199-M03] - Analysis of ME1 expression in HepG2 (Cat # L019V1).



Sandwich ELISA: ME1 Antibody (3H5) [H00004199-M03] - Detection limit for recombinant GST tagged ME1 is approximately 1ng/ml as a capture antibody.



Publications

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01

Heart E, Cline GW, Collis LP et al. Role for malic enzyme, pyruvate carboxylation mitochondrial malate import in the glucose-stimulated insulin secretion . Am J Physiol Endocrinol Metab. 2009-03-17 [PMID: 19293334]



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Products Related to H00004199-M03

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00004199-P01-10ug	Recombinant Human ME1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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