

Mouse anti-Human Malate dehydrogenase 1 NAD Monoclonal Antibody | anti-MDH1 antibody

Malate dehydrogenase 1 NAD (soluble)

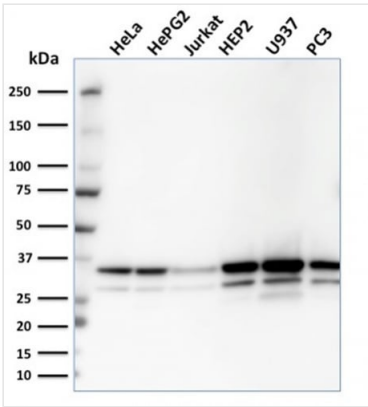
CATALOG # AAA215083	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

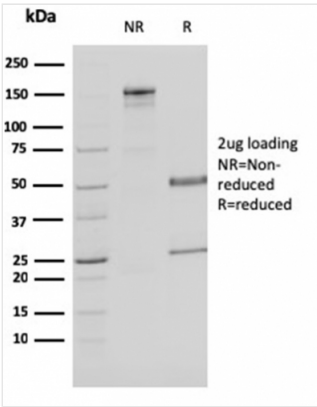
Malate dehydrogenase 1 NAD; Monoclonal Antibody; Malate dehydrogenase 1 NAD (soluble); Cytosolic malate dehydrogenase; Diiodophenylpyruvate reductase; HEL-S-32; MDH-s; MDHA; MDH1; soluble malate dehydrogenase; anti-MDH1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	CPTC-MDH1-1
Specificity	Malate dehydrogenase catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. The protein encoded by this gene is localized to the cytoplasm and may play pivotal roles in the malate-aspartate shuttle that operates in the metabolic coordination between cytosol and mitochondria. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	334
Applicable Applications for anti-MDH1 antibody	WB (Western Blot)
Positive Control	Jurkat or HeLa cell lysates.
Immunogen	Recombinant human full-length MDH1 protein
Cellular Localization	Cytoplasm.
Hu-chromosome Location	2p15
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



WB (Western Blot)
Western Blot Analysis of HeLa, HepG2, Jurkat, HEP2, U937, PC3 cell lysates using MDH1 Mouse Monoclonal Antibody (CPTC-MDH1-1).



SDS-PAGE
SDS-PAGE Analysis Purified MDH1 Mouse Monoclonal Antibody (CPTC-MDH1-1). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Drmota, T., et al. 1997. Folia Parasitol. 44: 103-108.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1708967
NCBI GeneID	4190
UniProt Accession #	P40925
Molecular Weight	36kDa
NCBI Official Full Name	Malate dehydrogenase, cytoplasmic
NCBI Official Synonym Full Names	malate dehydrogenase 1
NCBI Official Symbol	MDH1
NCBI Official Synonym Symbols	MDHA; MOR2; MDH-s; HEL-S-32; MGC:1375
NCBI Protein Information	malate dehydrogenase, cytoplasmic; malate dehydrogenase, peroxisomal
UniProt Protein Name	Malate dehydrogenase, cytoplasmic
UniProt Gene Name	MDH1
UniProt Synonym Gene Names	MDHA
UniProt Entry Name	MDHC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/malate-dehydrogenase-1-nad-antibody-clone-cptc-mdh1-1-western-blot-elisa/215083>