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Produktinformation



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Diagnostik & molekulare Diagnostik



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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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MDH2 monoclonal antibody (M03), clone 2B7

Catalog # : H00004191-M03

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a partial recombinant MDH2.

Immunogen: MDH2 (NP_005909, 134 a.a. ~ 246 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence: EAMICVIANPVSNTIPITAEVFKKHGVYNPKNKIFGVTTLDIVRANTFVAELKG
LDPARVN/PVIGGHAGKTIIP LISQCTPKVDFPQDQLTALTGRIQEAGTEV
VKAKAGAGS

Host: Mouse

Reactivity: Human

Isotype: IgG2b Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.

Storage Buffer: In 1x PBS, pH 7.4

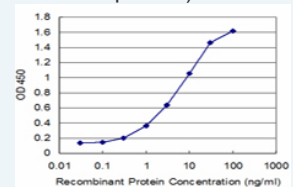
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.


MSDS:  [Download](#)

Datasheet:  [Download](#)

Application Image

Sandwich ELISA (Recombinant protein)

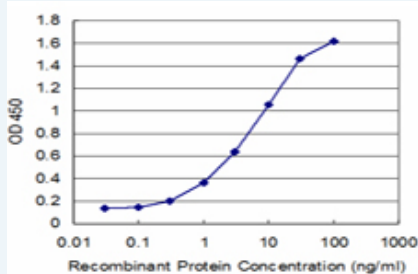


 [enlarge](#)


ELISA

Applications

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged MDH2 is approximately 0.3ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [4191](#)

GeneBank [NM_005918](#)

Accession#:

Protein [NP_005909](#)

Accession#:

Gene Name: MDH2

Gene Alias: M-MDH,MDH,MGC:3559,MOR1

Gene Description: malate dehydrogenase 2, NAD (mitochondrial)

Omim ID: [154100](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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 mitochondria and may play pivotal roles in the malate-aspartate shuttle that operates in the metabolic coordination between cytosol and mitochondria. [provided by RefSeq]

Other Designations: mitochondrial malate dehydrogenase

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 phenylpropanoids](#) [Biosynthesis of plant hormones](#)
[Biosynthesis of terpenoids and steroids](#) [Carbon fixation in photosynthetic organisms](#)
[Citrate cycle \(TCA cycle\)](#) [Glyoxylate and dicarboxylate metabolism](#) [Metabolic pathways](#)
[Pyruvate metabolism](#) [Reductive carboxylate cycle \(CO2 fixation\)](#)

Related Disease

[Tobacco Use Disorder](#)