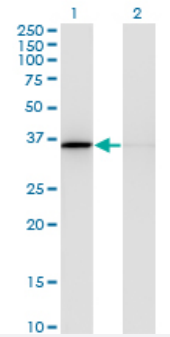
MDH1 monoclonal antibody (M03), clone 1D2

Catalog # H00004190-M03 Size 100 ug

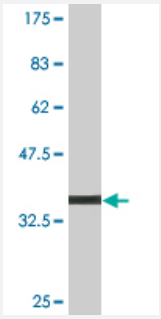
Applications



Western Blot (Transfected lysate)

Western Blot analysis of MDH1 expression in transfected 293T cell line by MDH1 monoclonal antibody (M03), clone 1D2.

Lane 1: MDH1 transfected lysate(36.4 KDa).
Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (35.86 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MDH1.
Immunogen	MDH1 (AAH01484.1, 101 a.a. ~ 193 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LLKANVKIFKSQGAALDKYAKKSVKVIVVGNPANTNCLTASKSAPSIPKENFSCLTRLDHNRAKAQIALKLGVTANDVKNVIIWGNHSSTQYP
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.86 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 (Transfected lysate)

  Western Blot analysis of MDH1 expression in transfected 293T cell line by MDH1 monoclonal antibody (M03), clone 1D2.

  Lane 1: MDH1 transfected lysate(36.4 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — MDH1

Entrez GeneID	4190
GeneBank Accession#	BC001484
Protein Accession#	AAH01484.1
Gene Name	MDH1
Gene Alias	MDH-s, MDHA, MGC:1375, MOR2
Gene Description	malate dehydrogenase 1, NAD (soluble)
Omim ID	154200
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 cytoplasm 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	cytosolic malate dehydrogenase|soluble malate dehydrogenase

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- 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)

Disease

- Drug Toxicity
- Edema
- Hypercholesterolemia