BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-MDH2 Antibody Picoband® (monoclonal, 5D8C1) Biotin Conjugated

Catalog Number: M04803-1-Biotin

About MDH2

Malate dehydrogenase, mitochondrial also known as malate dehydrogenase 2 is an enzyme that in humans is encoded by the MDH2 gene. 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. Several transcript variants encoding different isoforms have been found for this gene.

Overview

Product Name	Anti-MDH2 Antibody Picoband® (monoclonal, 5D8C1) Biotin Conjugated
Reactive Species	Human
Application	WB, IHC, ELISA
Clonality	Monoclonal 5D8C1
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	P40926

Technical Details

Immunogen	E.coli-derived human MDH2 recombinant protein (Position: A9-L223). Human MDH2 shares 97.7% and 98.1% amino acid (aa) sequence identity with mouse and rat MDH2, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users. ELISA, Optimal dilutions should be determined by end users.

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For Research Use Only. Not for use in diagnostic procedures.