

Product Data Sheet

Recombinant Human MDH1 Protein

Catalog #	Source	Reactivity	Applications
CRP1949	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human MDH1 Protein is produced by our E. coli expression system and the target gene encoding Ser2-Ala334 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.		
Gene Symbol	MDH1		
Alternative Names	MDHA; Malate dehydrogenase, cytoplasmic; Cytosolic malate dehydrogenase; Diiodophenylpyruvate reductase		
Entrez Gene	4190 (Human)		
SwissProt	P40925 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	SEPIRVLTG AAGQIAYSL YSIGNSVFG KDQPIILVLL DITPMMGVLD GVLMEQLQDCA LPLLKDVIAT DKEDVAFKDL DVAILVGSMP RREGMERKDL LKANVKIFKS QGAALDKYAK KSVKVIVVGN PANTNCLTAS KSAPSIPKEN FSCLTRLDHN RAKAQIALKL GVTANDVKNV IIWGNHSSSTQ YPDVNHAKVK LQGKEVGVYE ALKDDSWLKG EFVTTVQQRG AAVIKARKLS SAMSAAKAIC DHVRDIWFGT PEGEFVSMGV ISDGNSYGVV DDLLYSFPVV IKNKTWKFVE GLPINDFSRE KMDLTAKELT EEKESAFEFL SSALEHHHHH H		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

COHESION BIOSCIENCES LIMITED

WEB
www.cohesionbio.com

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order@cohesionbio.com

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custom@cohesionbio.com