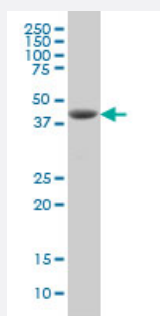


DHODH monoclonal antibody (M01), clone 6E1

Catalog # H00001723-M01

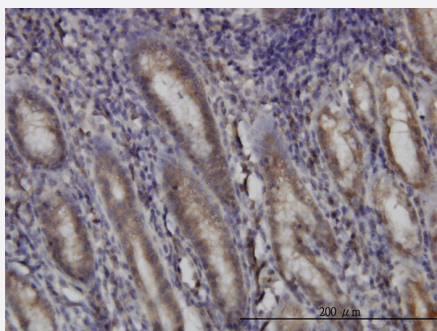
Size 100 ug

Applications



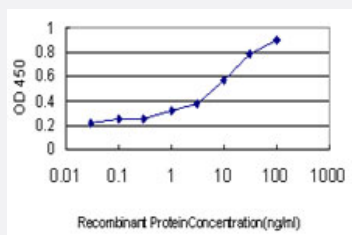
Western Blot (Cell lysate)

DHODH monoclonal antibody (M01), clone 6E1 Western Blot analysis of DHODH expression in MCF-7 (Cat # L046V1).



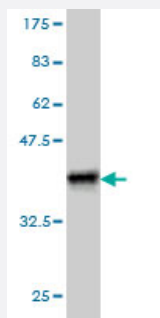
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to DHODH on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant DHODH.
Immunogen	DHODH (NP_001352, 32 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GDERFYAEHLMPTLQGLLDPESAHRLAVRFTSLGLLPRARFQSDMLEVRVLGHKFRNPVGIAAGFDKHGEAVDGLYKMGFGFVEIGSVTPKPKQEGNPRPRVFRLLPEDQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (89)
Isotype	IgG2a Lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 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 (Cell lysate)

DHODH monoclonal antibody (M01), clone 6E1 Western Blot analysis of DHODH expression in MCF-7 (Cat # L046V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to DHODH on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — DHODH

Entrez GeneID [1723](#)

GeneBank Accession# [NM_001361](#)

Protein Accession# [NP_001352](#)

Gene Name DHODH

Gene Alias DHOdehase

Gene Description dihydroorotate dehydrogenase

Omim ID [126064](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene catalyzes the fourth enzymatic step, the ubiquinone-mediated oxidation of dihydroorotate to orotate, in de novo pyrimidine biosynthesis. This protein is a mitochondrial protein located on the outer surface of the inner mitochondrial membrane. [provided by RefSeq]

Other Designations dihydroorotate oxidase|human complement of yeast URA1

Publication Reference

- [Inhibition of Pyrimidine Biosynthesis Pathway Suppresses Viral Growth through Innate Immunity.](#)

Lucas-Hourani M, Dauzonne D, Jorda P, Cousin G, Lupan A, Helynck O, Caignard G, Janvier G, Andre-Leroux G, Khiar S, Escriou N, Despres P, Jacob Y, Munier-Lehmann H, Tangy F, Vidalain PO.

PLoS Pathogens 2013 Oct; 9(10):e1003678.

Application: WB-Tr, Human, HEK293 cells

Pathway

- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)

Disease

- [Arthritis](#)