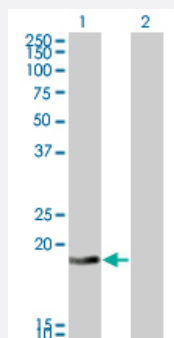


# DCTD monoclonal antibody (M01), clone 4B9

Catalog # H00001635-M01

Size 100 ug

## Applications

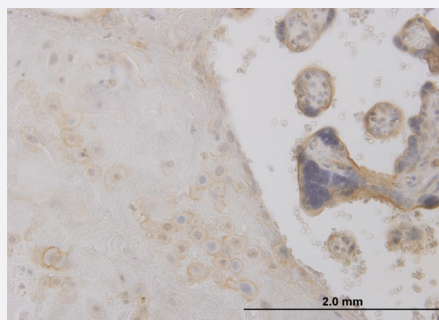


### Western Blot (Transfected lysate)

Western Blot analysis of DCTD expression in transfected 293T cell line by DCTD monoclonal antibody (M01), clone 4B9.

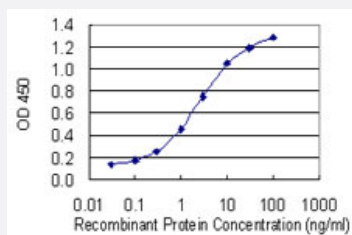
Lane 1: DCTD transfected lysate(20.016 KDa).

Lane 2: Non-transfected lysate.



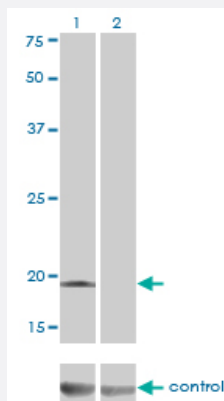
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



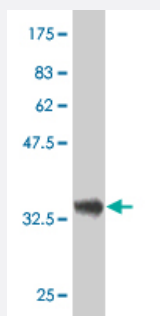
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DCTD is 0.03 ng/ml as a capture antibody.



### RNAi Knockdown (Antibody validated)

Western blot analysis of DCTD over-expressed 293 cell line, cotransfected with DCTD Validated Chimera RNAi ( Cat # H00001635-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with DCTD monoclonal antibody (M01), clone 4B9 (Cat # H00001635-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



Western Blot detection against Immunogen (37.84 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant DCTD.
<b>Immunogen</b>	DCTD (NP_001912.2, 69 a.a. ~ 178 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	RTAENKLDTKYPYVCHAE LNAIMNKNSTDVKGCSMYVALFPCNECAKLIQAGIKEVIFMSDKYHDS DEATAARLLFN MAGVTRKFKIPKCSKVIDFDSINSRPSQKLQ
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG3 Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of DCTD expression in transfected 293T cell line by DCTD monoclonal antibody (M01), clone 4B9.

Lane 1: DCTD transfected lysate(20.016 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DCTD is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of DCTD over-expressed 293 cell line, cotransfected with DCTD Validated Chimera RNAi ( Cat # H00001635-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with DCTD monoclonal antibody (M01), clone 4B9 (Cat # H00001635-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

[Protocol Download](#)

## Gene Info — DCTD

Entrez GeneID	<a href="#">1635</a>
GeneBank Accession#	<a href="#">NM_001921.2</a>
Protein Accession#	<a href="#">NP_001912.2</a>
Gene Name	DCTD

Gene Alias	MGC111062
Gene Description	dCMP deaminase
Omim ID	<a href="#">607638</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>The protein encoded by this gene catalyzes the deamination of dCMP to dUMP, the nucleotide substrate for thymidylate synthase. The encoded protein is allosterically activated by dCTP and inhibited by dTTP, and is found as a homohexamer. This protein uses zinc as a cofactor for its activity. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]</p>
Other Designations	deoxycytidylate deaminase

## Pathway

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

## Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Kidney Failure](#)
- [Neutropenia](#)
- [Pancreatic Neoplasms](#)