



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DCTD monoclonal antibody (M01), clone 4B9

Catalog # : H00001635-M01

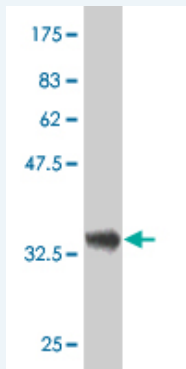
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant DCTD.
Immunogen:	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.
Sequence:	RTAENKLDTKYPYVCHAE LNAIMNKNSTDVKGCSMYVALFPCNECAKLIQ AGIKEVIFMSDKYHDSDEATAARLLFNMAGVTFRKFIPKCSKVIDFDSINS RPSQKLQ
Host:	Mouse
Reactivity:	Human
Isotype:	IgG3 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

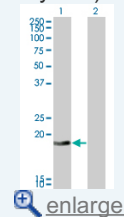
Datasheet: [Download](#)

Applications

Western Blot (Transfected lysate)

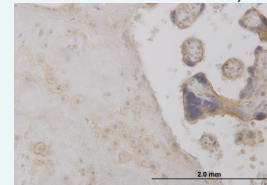
Application Image

Western Blot (Transfected lysate)

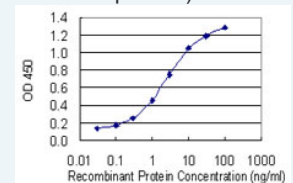


Western Blot (Recombinant protein)

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

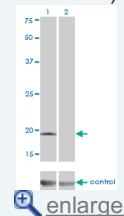


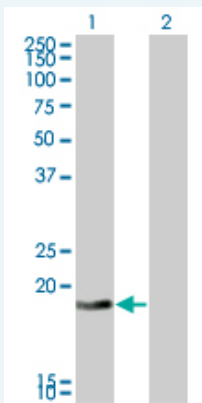
Sandwich ELISA (Recombinant protein)



ELISA

RNAi Knockdown (Antibody validated)





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

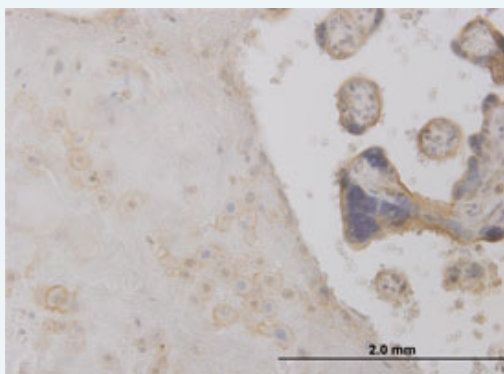
Lane 1: DCTD transfected lysate(20.016 KDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

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

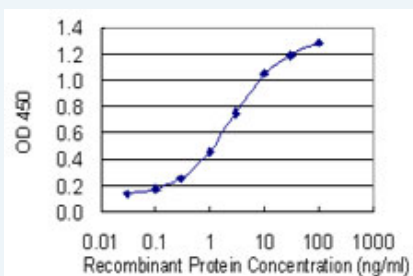


[enlarge this image](#)

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

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

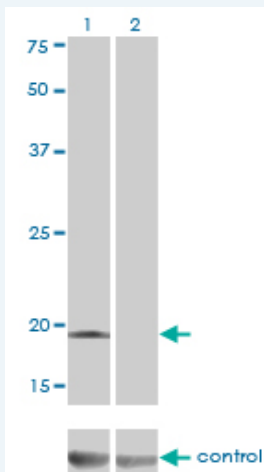


Detection limit for recombinant GST tagged DCTD is 0.03 ng/ml as a capture antibody.

[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 Information

Entrez GeneID: [1635](#)

GeneBank [NM_001921.2](#)

Accession#:

Protein [NP_001912.2](#)

Accession#:

Gene Name: DCTD

Gene Alias: MGC111062

Gene dCMP deaminase

Description:

Omim ID: [607638](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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 homo-hexamer. 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]

Other deoxycytidylate deaminase

Designations:

Gene Pathway

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

Related Disease

[Adenocarcinoma](#) [Breast cancer](#) [Breast Neoplasms](#) [Carcinoma, Pancreatic Ductal](#) [Kidney Failure, Chronic](#) [Neutropenia](#) [Pancreatic Neoplasms](#)

