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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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DPYD monoclonal antibody (M01), clone 7D4

Catalog # : H00001806-M01

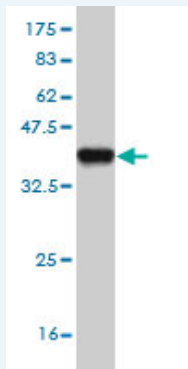
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant DPYD.
Immunogen:	DPYD (NP_000101, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MAPVLSKDSADIESILALNPRTQTHATLCSTSAKKLDKHKHWKRNPKNCF NCKLENNFDDIKHTTLGERGALREAMRCLKCADAPCQKSCPTNLDIKSF ITSIANKNYY
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 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](#)

Publication Reference

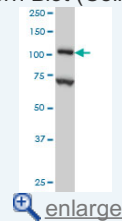
1. Phenotypic and clinical implications of variants in the dihydropyrimidine dehydrogenase gene.
van Kuilenburg ABP, Meijer J, Tanck MWT, Dobritzsch D, Zoetekouw L, Dekkers L, Roelofsen J, Mensma R, Wymenga M, Kulik W, B?chele B, Hennekama RCM, Largiad? re CR. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*. 2016 Jan 12. [Epub ahead of print]

Applications

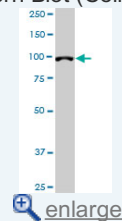
Western Blot (Cell lysate)

Application Image

Western Blot (Cell lysate)

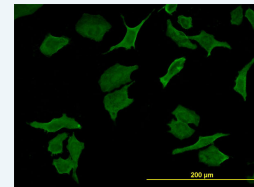


Western Blot (Cell lysate)



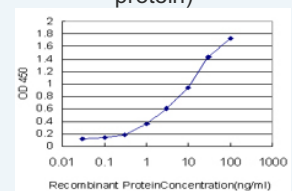
Western Blot (Recombinant protein)

Immunofluorescence



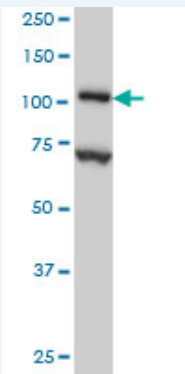
[enlarge](#)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

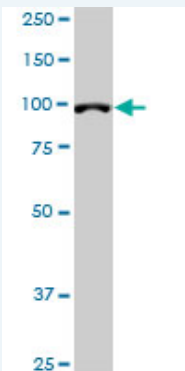
ELISA



DPYD monoclonal antibody (M01), clone 7D4 Western Blot analysis of DPYD expression in HeLa (Cat # L013V1).

[Protocol Download](#)

Western Blot (Cell lysate)



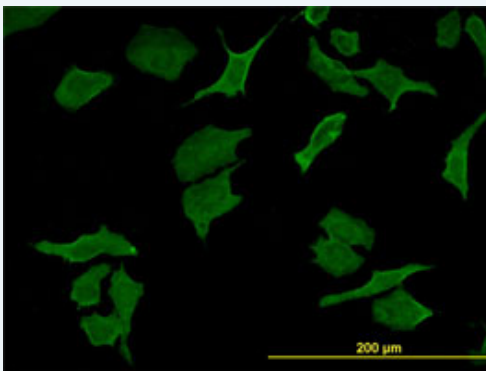
DPYD monoclonal antibody (M01), clone 7D4. Western Blot analysis of DPYD expression in HeLa S3 NE (Cat # L013V3).

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunofluorescence

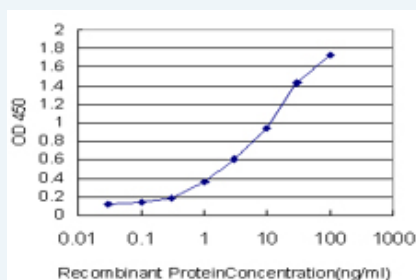


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to DPYD on HeLa cell. [antibody concentration 10 ug/ml]

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged DPYD is approximately 0.1ng/ml as a capture antibody.

ELISA

Gene Information

Entrez GeneID: [1806](#)**GeneBank
Accession#:** [NM_000110](#)**Protein
Accession#:** [NP_000101](#)**Gene Name:** [DPYD](#)**Gene Alias:** [DHP](#), [DHPDHASE](#), [DPD](#), [MGC132008](#), [MGC70799](#)**Gene
Description:** [dihydropyrimidine dehydrogenase](#)**Omim ID:** [274270](#)**Gene Ontology:** [Hyperlink](#)**Gene Summary:** The protein encoded by this gene is a pyrimidine catabolic enzyme and the initial and rate-limiting factor in the pathway of uracil and thymidine catabolism. Mutations in this gene result in dihydropyrimidine dehydrogenase deficiency, an error in pyrimidine metabolism associated with thymine-uraciluria and an increased risk of toxicity in cancer patients receiving 5-fluorouracil chemotherapy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]**Other
Designations:** [OTTHUMP00000037640](#), [OTTHUMP00000058954](#), [dihydrothymine dehydrogenase](#), [dihydrouracil dehydrogenase](#)**Gene Pathway**

[beta-Alanine metabolism](#) [Drug metabolism - other enzymes](#) [Metabolic pathways](#)
[Pantothenate and CoA biosynthesis](#) [Pyrimidine metabolism](#)**Related Disease**

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[Colonic Neoplasms](#) [Colorectal Neoplasms](#) [Diarrhea](#)
[Dihydropyrimidine Dehydrogenase Deficiency](#) [Disease Progression](#) [Drug Toxicity](#)
[Esophageal Neoplasms](#) [Gastrointestinal Diseases](#) [Genetic Predisposition to Disease](#)
[Hearing Loss](#) [Hematologic Diseases](#) [Hematologic Neoplasms](#) [Kidney Diseases](#)
[Kidney Failure, Chronic](#)

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