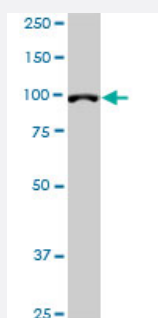


DPYD monoclonal antibody (M01), clone 7D4

Catalog # H00001806-M01

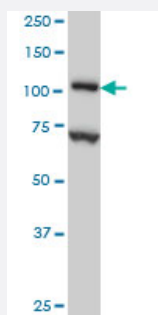
Size 100 ug

Applications



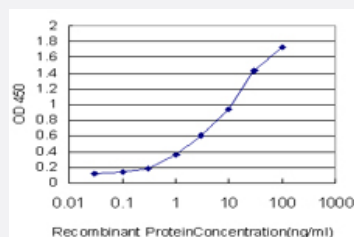
Western Blot (Cell lysate)

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



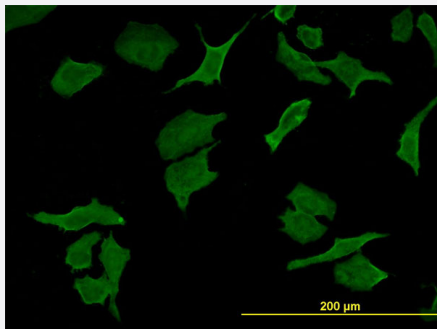
Western Blot (Cell lysate)

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



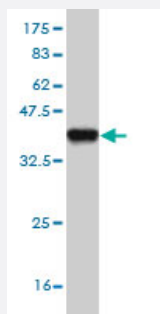
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (37.84 KDa) .

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	MAPVLSKDSADIESILALNPRTQTATLCSTSAKKLDKKHWKRNPDKNCFNCEKLENNFDDIKHTT LGERGALREAMRCLKCADAPCQKSCPTNLDIKSFITSIANKNYY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88)
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.

Applications

- 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 (Cell lysate)

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

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — DPYD

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

Publication Reference

- [Phenotypic and clinical implications of variants in the dihydropyrimidine dehydrogenase gene.](#)

Kuilenburg AB, Meijer J, Tanck MW, Dobritzsch D, Zoetekouw L, Dekkers LL, Roelofsen J, Meinsma R, Wymenga M, Kulik W, Büchel B, Hennekam RC, Largiadèr CR.

Biochimica et Biophysica Acta 2016 Apr; 1862(4):754.

Application: Dot-Tr, Human, HEK 293 Flp-In cells

Pathway

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

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colon cancer](#)
- [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](#)
- [Leukopenia](#)
- [Mucositis](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neurotoxicity Syndromes](#)
- [Neutropenia](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Rectal Neoplasms](#)
- [Stomach Neoplasms](#)
- [Stomatitis](#)

- [Thrombocytopenia](#)
- [Tobacco Use Disorder](#)