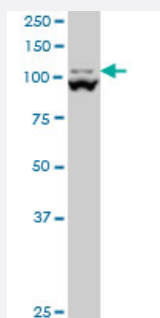


MTHFD1L monoclonal antibody (M01), clone 1E8

Catalog # H00025902-M01

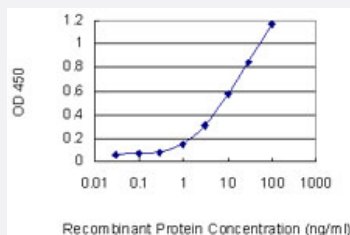
Size 100 ug

Applications



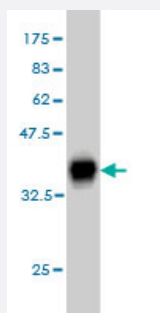
Western Blot (Cell lysate)

MTHFD1L monoclonal antibody (M01), clone 1E8 Western Blot analysis of MTHFD1L expression in PC-12 (Cat # L012V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MTHFD1L is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant MTHFD1L.

Immunogen	MTHFD1L (NP_056255, 801 a.a. ~ 899 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VFKTDTRAEIDLVC ELAKRAGAFDAVPCYHWSVGGKGSVDLARAVREAASKRSRFQFLYDVQV PVDKIRTIAQAVYGAKDIELSPEAQAKIDRYTQQG
Host	Mouse
Reactivity	Human, Rat
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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)

MTHFD1L monoclonal antibody (M01), clone 1E8 Western Blot analysis of MTHFD1L expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MTHFD1L is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MTHFD1L

Entrez GeneID [25902](#)

GeneBank Accession#	NM_015440
Protein Accession#	NP_056255
Gene Name	MTHFD1L
Gene Alias	DKFZp586G1517, FLJ21145, FTHFSDC1, MTC1THFS, dJ292B18.2
Gene Description	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like
Omim ID	611427
Gene Ontology	Hyperlink
Gene Summary	One-carbon substituted forms of tetrahydrofolate (THF) are involved in the de novo synthesis of purines and thymidylate and support cellular methylation reactions through the regeneration of methionine from homocysteine. MTHFD1L is an enzyme involved in THF synthesis in mitochondria (Christensen et al., 2005 [PubMed 15611115]).[supplied by OMIM]
Other Designations	OTTHUMP00000017418 formyltetrahydrofolate synthetase domain containing 1 mitochondrial C1-tetrahydrofolate synthase mitochondrial C1-tetrahydrofolate synthetase

Pathway

- [Glyoxylate and dicarboxylate metabolism](#)
- [Metabolic pathways](#)
- [One carbon pool by folate](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Myocardial Infarction](#)
- [Neural Tube Defects](#)
- [Tooth Abnormalities](#)