



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to MTHFR

**Catalog Number:** MAB-606030204

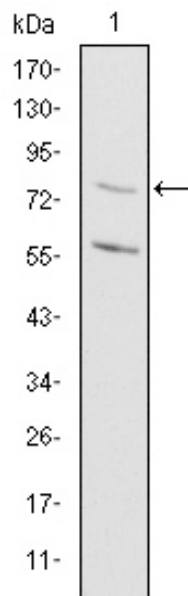


Figure 1: Western blot analysis using MTHFR mouse mAb against Rat Heart cell lysate.

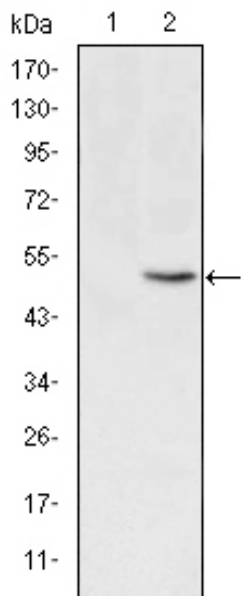


Figure 2: Western blot analysis using MTHFR mAb against HEK293 (1) and MTHFR-hIgGfC transfected HEK293 (2) cell lysate.

Lot#:  
Clone#: 5D3  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 75kDa  
Aliases: MTHFR  
Entrez Gene: 4524  
Species reactivity: Human; Rat

**Description** The protein encoded by this gene catalyzes the conversion of 5,10-methylenetetrahydrofolate to 5-methyltetrahydrofolate, a co-substrate for homocysteine remethylation to methionine. Genetic variation in this gene influences susceptibility to occlusive vascular disease, neural tube defects, colon cancer and acute leukemia, and mutations in this gene are associated with methylenetetrahydrofolate reductase deficiency.

**Immunogen** Purified recombinant fragment of human MTHFR expressed in E. Coli.

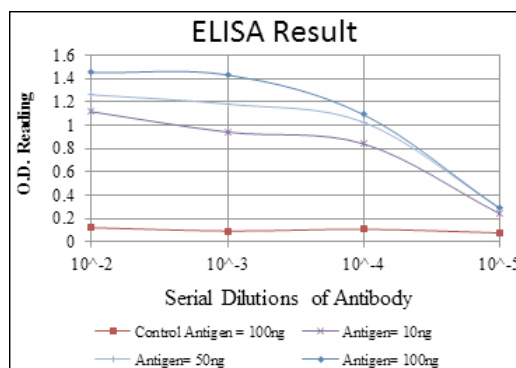
**Application** Western Blotting: 1/500 - 1/2000.  
Immunohistochemistry: 1/200 - 1/1000.  
ELISA: Propose dilution 1/10000.  
Not yet tested in other applications.  
Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4°C, for long term storage, store at -20°C.

#### Related product References

- Kardiol Pol. 2008 Dec;66(12):1269-77.
- Arq Bras Endocrinol Metabol. 2008 Nov;52(8):1374-81.



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