

## Product datasheet for **AM06617SU-N**

### **MTHFR Mouse Monoclonal Antibody [Clone ID: 5D3]**

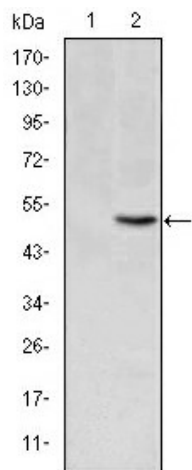
#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	5D3
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on paraffin sections</b> 1/200 - 1/1000. <b>ELISA:</b> 1/10000.
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human MTHFR expressed in E. Coli.
Specificity:	This antibody reacts to MTHFR.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	methylenetetrahydrofolate reductase (NAD(P)H)
Database Link:	<a href="#">Entrez Gene 4524 Human P42898</a>
Background:	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.
Synonyms:	Methylenetetrahydrofolate reductase

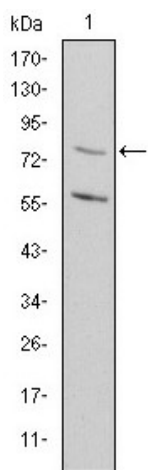


[View online »](#)

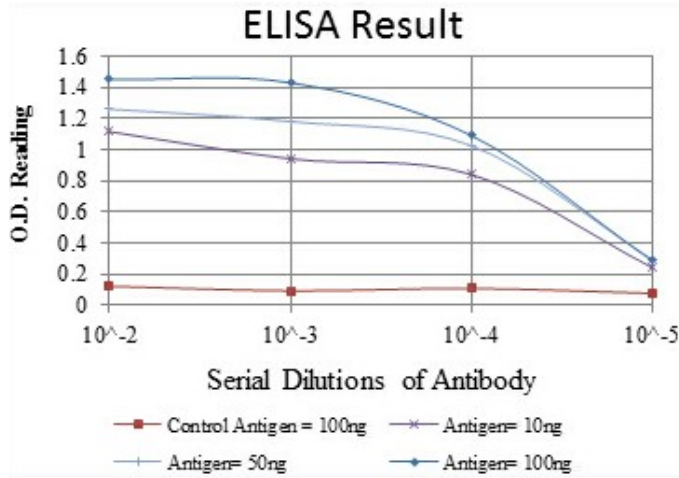
**Product images:**



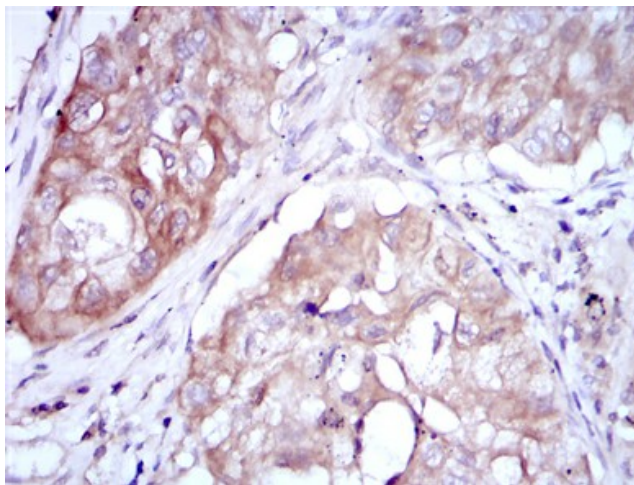
Western blot analysis using MTHFR mAb against HEK293 (1) and MTHFR (AA: 339-499)-hlgGfc transfected HEK293 (2) cell lysate.



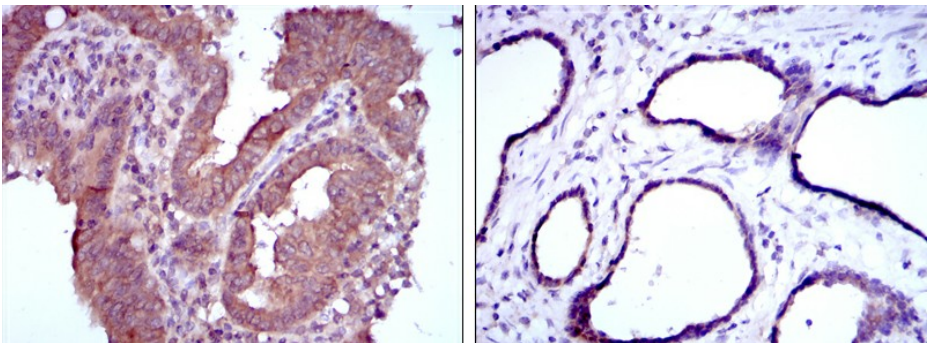
Western blot analysis using MTHFR mouse mAb against Rat Heart cell lysate.



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Immunohistochemical analysis of paraffin-embedded lung cancer using MTHFR mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded intima cancer tissues (left) and prostate tissues (right) using MTHFR mouse mAb with DAB staining.