

M5 GST-Tag (12G8) Mouse Monoclonal Antibody 使用说明书

产品名称	单位	货号
M5 GST-Tag (12G8) Mouse Monoclonal Antibody	50 μ l	MF080-T
M5 GST-Tag (12G8) Mouse Monoclonal Antibody	100 μ l	MF080-01

【STORAGE】

Store at -20°C. Stable for one year from the date of shipment.

【BACKGROUND】

Plasmid vectors for the expression of coding regions of eukaryotic genes in *E. coli* are in common usage; such expression vectors often encode hybrid fusion proteins containing part prokaryotic and part eukaryotic specified proteins. For instance, the pGEX.3X expression vector developed by Smith and Johnson allows for synthesis of fusion proteins between glutathione-S-transferase (GST) and proteins encoded by inserted cDNA sequences. Antibodies derived from these GST fusion proteins are useful for checking protein expression both in plaques and on Western blots as well as for immunoaffinity purification of proteins expressed in *E. Coli*.

【REFERENCES】

1. Maniatis, T., Fritsch, E.F. and Sambrook, J. 1982. Molecular Cloning- A Laboratory Manual. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory.
2. Smith, D.B. and Johnson, K.S. 1988. Single-step purification of polypeptides expressed in *Escherichia coli* as fusions with Glutathione S-transferase. *Gene* 67: 31-40.
3. Crabb, B.S. and Studdert, M.J. 1995. Expression of small regions of equine herpesvirus 1 glycoprotein C in *Escherichia coli*. *Vet. Microbiol.* 46: 181-191.
4. Soler, D., Nomizu, T., Brown, W.E., Shibata, Y. and Auld, D.S. 1995. Matrilysin: expression, purification, and characterization. *J. Protein Chem.* 14: 511-520.

【SOURCE】

This monoclonal antibody is produced by immunizing animals with full-length GST.

【SPECIFICITY】

GST-Tag (12G8) Mouse mAb detects GST and GST fusion proteins.

【REACTIVITY】

All

【ISOTYPE】

Mouse IgG1

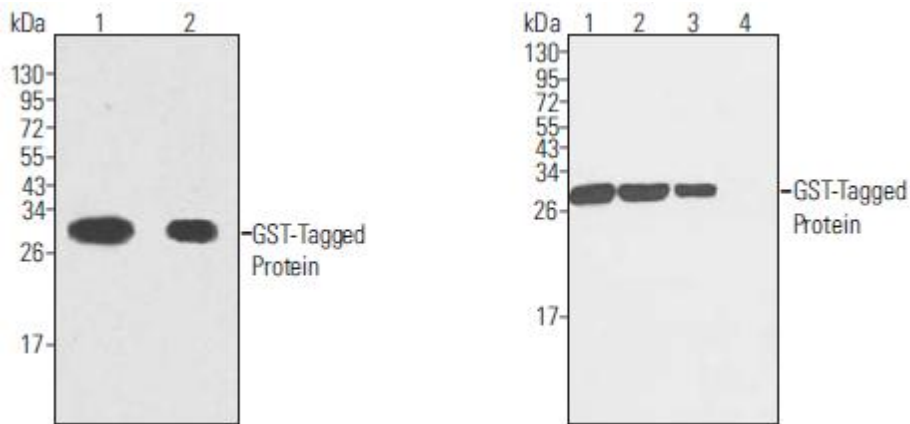
IMPORTANT

Use an anti-MOUSE secondary antibody to detect the 12G8 antibody.

RECOMMENDED ANTIBODY DILUTIONS

Western blotting 1:5000
ELISA 1:2000

For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1XTBS, 0.05% Tween-20 at 4°C with gentle shaking, overnight.

APPLICATION DATA


Western blot analysis of over-expressed GST-tagged protein, using GST-tag(12G8) Mouse mAb. The antibody dilutions are 1:5000 (lane 1) and 1:10000 (lane 2). Each lane was loaded with 10 ng of recombinant protein.

12G8 can specifically detect 1 ng of recombinant protein. There is 6 ng, 3 ng, 1 ng, and 0 ng GST-tagged recombinant protein in lanes 1-4, respectively. The 12G8 antibody dilution is 1:5000.


【备注】

本产品仅供科研使用。在确认产品质量出现问题时，本公司承诺为客户免费更换等量的质量合格产品。