

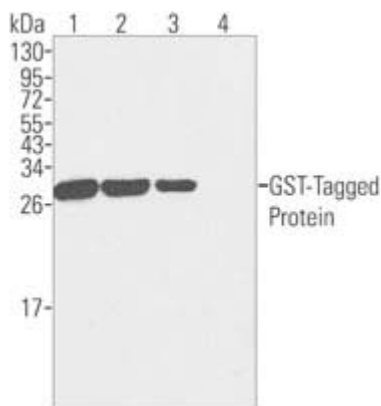
Glutathione-S-transferase-Tag (GST-Tag) Antibody (Monoclonal)

Catalog Number:	1003-M1-GST
Product Specification:	GST-Tag Antibody
Size:	100 µl
Type:	Monoclonal
Specificity:	Detects GST and GST-fusion proteins from all the species
Host Species:	Mouse
Species Cross-reactivity:	All
Immunogen:	Full-length recombinant GST (Glutathione-S-transferase)
Isotype:	IgG1
Clone Number:	12G8
Western Blot:	1: 5000
Immuno-fluorescence:	Not determined
Immuno-precipitation:	Not determined
ELISA:	1:2000
Storage:	-20°C in aliquots. Freeze-thaw cycles must be avoided once the stock aliquot is diluted.
Form:	Liquid
Secondary Antibody (Recommended):	Use anti-mouse IgG raised in rabbit, goat or donkey

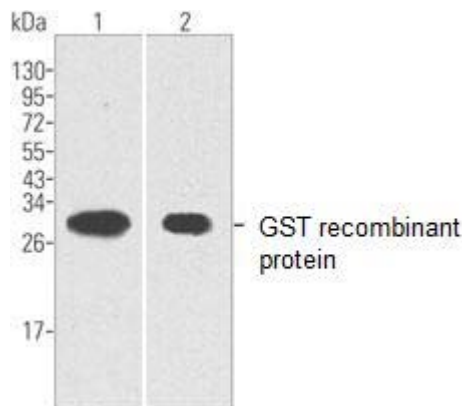
Product Background: Plasmid vectors for the expression of coding regions of eukaryotic genes in *E. coli* are in common usage; such expression vectors often encode hybrid fusion proteins containing part prokaryotic and part eukaryotic specified proteins. For instance, the pGEX.3X expression vector developed 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: 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. 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.

Applications:



WB analysis of GST-tagged protein using Alamo Labs' Mouse mAb (**cat# 1003-M1-GST**) at 1:5,000 dilution. Amount of protein in Lanes 1 -4 were 6, 3, 1 and 0 ng, respectively.



WB analysis of GST-tagged protein using Alamo Labs' Mouse mAb (**cat# 1003-M1-GST**) at 1:5000 dilution (Blot-1) and 1:10,000 dilution (Blot-2). The amount of GST protein loaded was 10 ng/lane in both the blots.

Related Products:

- 1001-A1-His His-Tag: Antibody (Rabbit Polyclonal) Aff Pure
- 1001-M1-HIS His-Tag: Antibody (Mouse Monoclonal)
- 1002-M1-MYC Myc-Tag: Antibody (Mouse Monoclonal)
- 1004-M1-HA HA-Tag (Influenza Hemagglutinin (HA) Peptide (YPYDVPDYA): Antibody (Mouse Monoclonal)
- 1005-M1-GFP GFP-Tag (Green Fluorescent Protein): Antibody (Mouse Monoclonal)
- 1006-M1-DYK DYKDDDDK-Tag: Antibody (Mouse Monoclonal)

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