

# Monoclonal Antibody to GST

Cat. #: Mab-605081

## Description:

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*.

## Immunogen/Specificity:

Ni-NTA purified recombinant GST expressed in *E. Coli* strain M15.

## Applications :

Western Blot: Dilution 1: 2000- 5,000

ELISA: Proposed dilution 1: 10,000.

Determining optimal working dilutions by titration test.

## Formulation

Antibodies are purified by protein A affinity chromatography.

## Reference:

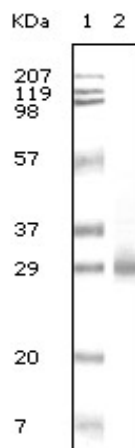
1. Singlestep purification of polypeptides expressed in *Escherichia coli* fusions with glutathione S-transferase. 1988. *Gene* 67: 31-40.

Clone Number: 6G9B9

Isotype: IgG1

Species:

Storage and Stability: stored at -20 C



**Figure 1:** Western blot analysis using GST monoclonal antibody against recombinant GST expressed in *E. Coli*.