# *DB060*: GST (I19)

## Background:

Expression vectors incorporating the sequence encoding the glutathion-S-transferase (GST) protein are very useful constructs for the production and purification of recombinant proteins. The protein of interest is cloned into these expression vectors producing a GST-fusion protein. The GST-tag allows fusion proteins to be efficiently purified from bacterial, yeast, mammalian or insect cell lysates utilizing an affinity matrix containing glutathione. Elution of the purified protein is accomplished under mild, nondenaturing conditions. The GST fusion adds a 26 kDa tag to a recombinant protein, which can be removed when an endopeptidase cleavage site sequence is incorporated between the tag and the protein.

## Origin:

GST (I19) is provided as an affinity purified rabbit polyclonal antibody, raised against a peptide mapping to an internal domain of *Schistosoma japonicum* GST.

## Product Details:

Each vial contains 200 µg/ml of affinity purified rabbit IgG, GST DB060 (I19), in 1 ml PBS containing 0.1 % sodium azide and 0.2% gelatin.

## Competition Studies:

A blocking peptide is also available, DB060P, for use in competition studies. Each vail contains 100 µg of peptide in 0.5 ml of PBS with 0.1% sodium azide and 100 µg BSA.

## Specificity:

Specific for glutathione-S-transferase (GST) *Schistosoma japonicum* and GST fusion proteins.

## Use:

GST *DB086 (FL1)* is recommended for use in Western blotting and immunopreciptiation analysis. Starting dilution for western blotting 1:100 to 1:1000.

## Storage:

Store this product at 4º C, do not freeze. The product is stable for one year from the date of shipment.

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