

Product Information

Anti-Glutathione-S-Transferase (GST)

produced in rabbit, IgG fraction of antiserum

Catalog Number **G7781**

Product Description

Anti-Glutathione-S-Transferase (GST) is produced in rabbit using repeated injections of recombinant GST from *Schistosoma japonicum* expressed in *E. coli* as the immunogen. Whole antiserum is purified to provide an IgG fraction of antiserum.

Anti-Glutathione-S-Transferase (GST) recognizes native as well as denatured-reduced forms of GST from *Schistosoma japonicum* (27.5 kDa) as determined by immunoblotting.

Reagent

Supplied in 0.01 M phosphate buffered saline pH 7.4 containing 15 mM sodium azide.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

Store at -20 °C. For continuous use, the product may be stored at 2-8 °C for up to one month. For extended storage, store at -20 °C in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Solutions at working dilution should be discarded if not used within 12 hours.

Product Profile

Immunoblotting: a minimum working antibody dilution of 1:2,000 is determined using lysates of induced *Escherichia coli* expressing GST

Note: In order to obtain best results in different techniques and preparations we recommend determining optimal working dilution by titration test.

Procedure

Immunoblotting

All incubation steps should be performed at room temperature.

1. Separate GST from other proteins using a standard SDS-PAGE protocol.
2. Transfer proteins from the gel to a nitrocellulose membrane.
3. Block the membrane using a solution of 5-10% non-fat dry milk in phosphate buffered saline, Catalog Number D8537, for at least 60 minutes.
4. Wash the membrane three times for 5 minutes each in PBS containing 0.05% TWEEN® 20. Catalog Number P3563.
5. Incubate the membrane with Anti-GST, using an optimized concentration in PBS containing 0.05% TWEEN 20 for two hours.
6. Wash the membrane three times for 5 minutes each in PBS containing 0.05% TWEEN 20.
7. Incubate the membrane with Anti-Rabbit IgG-Peroxidase, Catalog Number A0545, or Anti-Rabbit IgG-Alkaline Phosphatase, Catalog Number A9919, as the secondary antibody at the recommended dilution in PBS containing 0.05% TWEEN 20. Incubate for 60 minutes. Adjust the antibody concentration to maximize detection sensitivity and to minimize background.
8. Wash the membrane three times for 5 minutes each in PBS containing 0.05% TWEEN 20.
9. Treat the membrane with either a peroxidase or an alkaline-phosphatase substrate as appropriate.

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