

Technical Bulletin

Anti-Glutathione-S-Transferase (GST)–Peroxidase Conjugate Antibody Produced in Rabbit

IgG fraction of antiserum, buffered aqueous solution

A7340

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 antisera is fractionated and then further purified by ion-exchange chromatography to provide the IgG fraction of antiserum that is essentially free of other rabbit serum proteins.

Anti-Glutathione-S-Transferase is then conjugated to horseradish peroxidase by protein cross-linking with glutaraldehyde.

Anti-Glutathione-S-Transferase (GST)–Peroxidase 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 0.05% MIT as a preservative.

Antibody concentration: 9-18 mg/mL.

Molar ratio Ab/Enzyme: 0.6-1.5

Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2–8 °C for up to one month. For extended storage, store at –20 °C in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Diluted antibody conjugate should be discarded if not used within 12 hours after dilution.

Product Profile

Immunoblotting

A minimum working dilution of 1:10,000 is determined using lysates of *E. coli* induced to express recombinant GST.

Direct ELISA

A minimum working dilution of 1:10,000 is determined using wells coated with 5 µg/mL GST in carbonate buffer.

Note: In order to obtain best results, it is recommended that each user determine the optimal working dilution for individual applications by titration assay.

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