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ProductInformation

ANTI-GLUTATHIONE-S-TRANSFERASE (GST) PEROXIDASE CONJUGATE
Developed in Rabbit, IgG Fraction of Antiserum

Product No. **A 7340**

Product Description

Anti-Glutathione-S-Transferase (GST) is developed in rabbit using repeated injections of GST from recombinant *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 which is essentially free of other rabbit serum proteins. Anti-Glutathione-S-Transferase is then conjugated to horse- radish peroxidase by protein cross-linking with glutaraldehyde.

Anti-Glutathione-S-Transferase is specific for GST from *Schistosoma japonicum* (27.5 kDa) by immunoblotting. The antibody recognizes native as well as denatured forms of GST. It does not recognize GST from rabbit, porcine, bovine or rat liver or from human placenta as tested by ELISA.

Reagent

The product is supplied in 0.01 M phosphate buffered saline, pH 7.4, containing 0.01% thimerosal.

Antibody concentration : 9 to 18 mg/ml.
Molar ratio Ab/Enzyme: 0.8 to 1.5

Storage/Stability

For continuous use, store at 2 °C to 8 °C for up to one month. For extended storage freeze 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

A minimum working dilution of 1:2,000 is determined by immunoblotting of GST from *Schistosoma japonicum* and AEC as substrate.

A minimum working dilution of 1:20,000 is determined by immunoblotting as above, using chemiluminescent substrate.

A minimum working dilution of 1:10,000 is determined by ELISA 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.

Pcs 11/01