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ProductInformation

GLUTATHIONE S-TRANSFERASE (GST)
(EC 2.5.1.18)

Product Number **G 5663**
Storage: 2-8 °C

Product Description
Glutathione S-transferase (GST) is a 26 kDa enzyme originally found in *Schistosoma japonicum*, but currently isolated from a recombinant *E. coli* source.

Reagents
GST is >85% pure as determined by SDS-PAGE. The product is formulated in phosphate buffered saline and 0.02% sodium azide.

Precautions and Disclaimer
Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

Storage/Stability
Store at 2-8 °C.

Specificity
Glutathione S-transferase (GST) catalyzes the addition of the glutathione thiol group to a suitable electrophilic species. Enzymatic activities are based on the conjugation of reduced glutathione in the presence of a second substrate.1 In ELISA, 0.5 µg of recombinant

Specificity (continued)
glutathione S-transferase is the minimum detectable level of enzyme with an anti-glutatione S-transferase (GST), alkaline phosphatase conjugate (Product No. A 5838). In immunoblot, 50 ng of recombinant GST is the minimum detectable level of enzyme with an anti-glutathione S-transferase, alkaline phosphatase conjugate (Product No. A 5838).

Working Dilutions
- A minimum working dilution of 1:400 is determined by ELISA using anti-glutathione S-transferase, alkaline phosphatase conjugate (Product No. A 5838).
- A minimum working dilution of 1:2000 is determined by immunoblot using anti-glutathione S-transferase, alkaline phosphatase conjugate (Product No. A 5838).

In order to obtain best test results, it is recommended that each individual determine their optimum working dilutions by titration assay.

References
1. Habig, W.H., et al., J. Biol. Chem., 249, 7130 (1974).

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