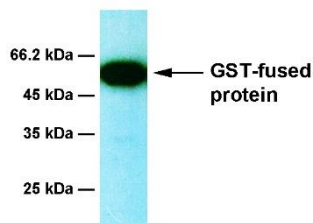


Data



Western blot (WB): *E. coli* bacterial lysate expressing GST-fused recombinant protein.

Product Information

Gene Symbol:	GST (<i>S. japonicum</i>)
Molecular Weight:	26 kDa (GST tag)
Source:	This is a mouse monoclonal antibody raised against the GST tag of <i>S. japonicum</i> origin.
Clone #:	2E5
Isotype:	IgG _{2b}
Specificity:	This antibody detects GST tag alone and its fusion proteins.
Physical Form:	Freeze-dried powder from 1 × PBS solution, or cell culture media with 0.02% NaN ₃
Application:	<ul style="list-style-type: none"> • Western blotting (WB, dilution range: 1:1,000 – 10,000) • Other applications have not been tested in house.
Storage:	Store freeze-dried powder at 4°C upon arrival. When ready to use, rehydrate with 0.1 ml or desired volume of distilled H ₂ O and centrifuge if not clear. For long-term storage, make aliquots and keep them at -20°C or below. Avoid repeated freezing and thawing cycles.

Background

Glutathione S-transferase (GST) (EC 2.5.1.18) is an enzyme that catalyzes the conjugation of the reduced form of glutathione (GSH) to xenobiotic substrates to detoxify endogenous compounds. The GST encoded by parasitic worm *Schistosoma japonicum*, which has little homology to its mammalian counterpart, had been widely used as a fusion partner for expression and purification of foreign proteins in *E. coli*. GST tag is easy to detect, and it has little effect on the biological function of the protein of interest. Alternatively, a GST tag can be removed by enzymatic cleavage on particular site, which was expressed from a well-designed plasmid vector.

Important Note

This product is intended for research use only, not for use in human therapeutic or diagnostic procedures.