

Mouse Anti-Glutathione S-Transferase Clone 1E5 mAb

Catalog No.	CSI15553A CSI15553B	Quantity:	50 µl 100 µl
Description:	<p>Glutathione S transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. GST proteins can be purified by immobilized glutathione affinity chromatography. Many recombinant proteins have been engineered with GST tags to facilitate the detection, isolation and purification of these proteins. Monoclonal antibody reacting specifically with GST may be useful in various immunotechnique, to identify the expression of a GST fusion protein in bacteria, bacterial lysates or cells and tissues transfected with a GST fusion protein expressing vectors</p>		
Concentration:	1 mg/ml		
Host:	Mouse		
Immunogen:	Recombinant Glutathione S transferase (GST) purified from <i>E. coli</i>		
Isotype:	Mouse IgG2b heavy chain and κ light chain		
Clone:	Anti-GST mAb, clone 1E5, is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant GST protein.		
Formulation:	Liquid. Supplied in Phosphate-Buffered Saline (pH 7.4) with 0.1% Sodium Azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	By protein-G affinity chromatography		
Usage:	The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 2,000. Recommended starting dilution is 1:1,000.		
Antigen Species:	Human		
Applications:	ELISA, WB (Recombinant protein)		
Application Notes:	<p>Western Blot Analysis Recombinant GST (28kDa) and GST-fusion protein (61kDa) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-GST antibody (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Arrows indicate GST and GST-fusion proteins(20ng).</p>		
Storage & Stability:	Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.