



GST Monoclonal Antibody

Product Code	CSB-MA000031M0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Recombinant GST Protein
Raised In	mouse
Species Reactivity	All
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Relevance	Genetic engineers have used glutathione S-transferase to create the GST gene fusion system. This system is used to purify and detect proteins of interest. In a GST gene fusion system, the GST sequence is incorporated into an expression vector alongside the gene sequence encoding the protein of interest. Induction of protein expression from the vector's promoter results in expression of a fusion protein: the protein of interest fused to the GST protein. This GST-fusion protein can then be purified from cells via its high affinity for glutathione. GST is commonly used to create fusion proteins. The tag has the size of 220 amino acids (roughly 26 KDa), which, compared to other tags like the myc- or the FLAG-tag, is quite big. However, many commercially-available sources of GST-tagged plasmids include a thrombin domain for cleavage of the GST tag during protein purification.
Form	liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG2b
Clonality	monoclonal
Product Type	Tag Control Antibody
Clone No.	2A81D2

Image



Western blot

All lanes : Recombinant GST Protein at 30ng/ml
 Line 1: Mouse Anti-GST monoclonal antibody at 1:1000
 Line 2: Mouse Anti-GST monoclonal antibody at 1:2000
 Line 3: Mouse Anti-GST monoclonal antibody at 1:5000
 Line 4: Mouse Anti-GST monoclonal antibody at 1:10000
 Line 5: Mouse Anti-GST monoclonal antibody at 1:20000
 Line 6: Mouse Anti-GST monoclonal antibody at 1:40000
 Line 7: Mouse Anti-GST monoclonal antibody at 1:80000



1:80000

Predicted band size : 28 kd

Observed band size : 28 kd
