



# GST Monoclonal Antibody

<b>Product Code</b>	CSB-MA000031M0m
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Immunogen</b>	Recombinant GST Protein
<b>Raised In</b>	mouse
<b>Tested Applications</b>	ELISA, WB; Recommended dilution: WB:1:500-1:5000
<b>Relevance</b>	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.
<b>Form</b>	liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	>95%, Protein G purified
<b>Isotype</b>	IgG2b
<b>Clonality</b>	monoclonal
<b>Alias</b>	Glutathione S-Transferase, gst, GST tag
<b>Product Type</b>	Monoclonal Antibody

## 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

Predicted band size : 28 kd



Observed band size : 28 kd

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