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Monoclonal ANTI-GST-Peroxidase (HRP) Conjugated

CATALOG NUMBER:	SG4130-31
QUANTITY:	200 μ l
ISOTYPE:	Mouse IgG2b
DESCRIPTION:	Monoclonal antibodies are produced by immunizing mouse with GST protein.
APPLICATION:	Western Blot
FORMAT:	1 \times PBS with 50% glycerol
RECOMMENDED ANTIBODY DILUTION:	Western Blot: 1:1000



Figure 1: Western Blot analysis of cell lysate (lane 1) and cell lysate expressing GST fusion protein (lane 2).

STORAGE/HANDLING:	Antibody is recommended being stored at -20 . Avoid repeated freeze-thaw cycles.
USAGE:	FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.

Background:

Glutathione S-transferase (GST) was originally cloned from parasite *Schistosoma japonicum* and it is now a widely used protein fusion partner. Vectors containing GST Tag have been developed for both prokaryotic and eukaryotic systems. The GST fusion proteins are easily purified from cell lysates by affinity chromatography using Glutathione Sepharose 4B and eluting out the GST fusion protein from the column with denaturing form of glutathione. Using an anti-GST-peroxidase conjugated antibody provides a simple solution to detect the expression of GST fusion protein.