

Monoclonal Anti-GST-Peroxidase (HRP) Conjugated

PRODUCT NAME: Monoclonal Anti-GST-Peroxidase (HRP) Conjugated

CATALOG NUMBER: U33-890A-S

LOT NUMBER: U33022

ISOTYPE: Mouse IgG2b

Clone NO: 1B20

SOURCE: Mouse Ascites

PURIFICATION: Protein A purified

QUANTITY: 100µl

DESCRIPTION: Monoclonal antibodies are produced by immunizing mouse with GST protein.

APPLICATION: Western Blot

REAGENT: 1×PBS with 50% glycerol

PROTEIN CONCENTRATION: approximately 1mg/ml

RECOMMENDED ANTIBODY DILUTION: Western Blot: 1:1000

STORAGE/STABILITY: Antibody-HRP is recommended being stored at -20°C.

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.