Anti-GST Tag Monoclonal Antibody

Catalog No.	Size
E022040-01	**100**µl
E022040-02	**500**µl
E022040-03	**50**µl

EARTH Ox

Product Name	Anti-GST Tag Monoclonal Antibody [GST.B6]
Product type	Tag Antibody
Application	WB ICC/IF IP
Description	Mouse Monoclonal to GST tag antibody
Immunogen	Anti-GST antibody was produced by immunizing mice with a GST peptide
Specificity	Recognizes and detects over expressed glutathione- transferase (GST) fusion proteins.

Background Information

GST (Glutathione S-Transferase) is a 26kDa protein encoded by the parasitic helminth Schistosoma japonicum. GST plays an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. GST tag is now widely used in the pGEX family of GST plasmid expression vectors as a fusion protein with foreign proteins. Antibodies derived from these GST fusion proteins are useful for checking protein expression both in plaques and on Western blots as well as for immunoaffinity purification of proteins expressed in E. coli.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: Western blot (1:1000-1:10,000), Immunofluorescence (1:200-1:800), Immunoprecipitation (1:200).Optimal dilutions for other applications should be determined by the end user experimentally.

Host

Mouse

Clonality

GST.B6

Storage Buffer
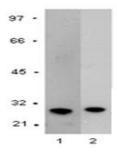
PBS, pH 7.4 with 0.05% sodium azide, 50% Glycerol.

Form

Liquid, 1.000mg/ml

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images

Western blot analysis of recombinant GST protein(20ng, lane1) and GST fusion protein positive 293 cellular lysate (20µg, lane2) with 1/1000 dilution of Anti-GST tag antibody.