

For Research Use Only

# GST Tag Monoclonal antibody, PBS Only

Catalog Number: 66001-2-PBS



## Basic Information

Catalog Number:

66001-2-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

FN315687

GeneID (NCBI):

Full Name:

Calculated MW:

26 kDa

Purification Method:

Protein A purification

CloneNo.:

3G12B10

## Applications

Tested Applications:

WB, IP, Indirect ELISA

Species Specificity:

Recombinant protein, Schistosoma japonicum

## Background Information

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. GST (Glutathione S-Transferase) is a widely used protein tag encoded by the Schistosoma japonicum. GST provides both an easily detectable tag and a simple purification process with little effect on the biological function of the protein of interest. Antibodies to GST are useful for checking protein expression both in plaques and on Western blots as well as for immunoaffinity purification of proteins expressed in cells. This antibody recognizes the GST-tag fused to either the N- or C-terminus of targeted proteins.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

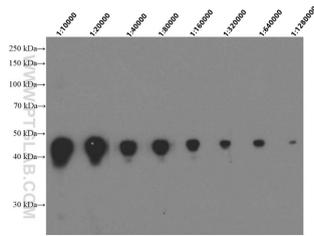
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

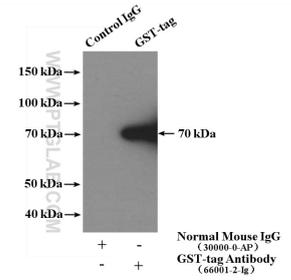
## Selected Validation Data



GST tagged recombinant protein (25ng/lane) was subjected to SDS-PAGE followed by western blot with anti-GST tag monoclonal antibody 66001-2-Ig at various dilutions. This data was developed using the same antibody clone with 66001-2-PBS in a different storage buffer formulation.



GST protein (25 ng), pGEX6P-1 vector expressed in E. coli, were subjected to SDS PAGE followed by western blot with 66001-2-Ig (GST Tag antibody, 1:200,000) incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66001-2-PBS in a different storage buffer formulation.



IP result of anti-GST Tag (IP:66001-2-Ig, 5ug; Detection:66001-2-Ig 1:10000) with Total E. coli lysate (with pGEX4T fused plasmid) 1360 ug. This data was developed using the same antibody clone with 66001-2-PBS in a different storage buffer formulation.