

## Technical Data Sheet

## Purified Mouse Anti-Glutathione S-Transferase

## Product Information

Material Number:	554805
Alternate Name:	GST
Size:	0.1 mg
Concentration:	0.5 mg/ml
Clone:	G172-1138
Immunogen:	Recombinant GST-tagged protein
Isotype:	Mouse IgG1
Target MW:	26 kDa
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

## Description

Glutathione S-Transferase (GST) from *Schistosoma japonicum* is a 26 kD protein that has become a popular fusion partner for high expression of recombinant proteins. GST tags allow recombinant fusion proteins to be purified in a single nondenaturing affinity step on glutathione-coupled beads. The high affinity of the GST-glutathione interaction results in simple near-homogeneous purifications. Clone G172-1138 recognizes GST. A recombinant GST-tagged protein was used as immunogen.

## Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.  
Store undiluted at 4° C.

## Application Notes

## Application

Western blot	Routinely Tested
ELISA	Tested During Development

## Recommended Assay Procedure:

Applications include western blot analysis (1-2 µg/ml antibody). The antibody is useful in screening for recombinant GST-tagged proteins produced in bacteria or in insect cells infected with recombinant baculovirus.

## Suggested Companion Products

Catalog Number	Name	Size	Clone
560137	GST Purification Kit	1 box	(none)
554738	Baculovirus Starter Kit	5 transfections	(none)

## Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

## References

Davies AH, Jowett JB, Jones IM. Recombinant baculovirus vectors expressing glutathione-S-transferase fusion proteins. *Biotechnology*. 1993; 11(8):933-936. (Biology)

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