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#2624

## GST-Tag (26H1) Mouse mAb

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> W, W-S, IP, IF-IC	<b>Reactivity:</b> All	<b>Sensitivity:</b> Transfected Only	<b>Source/Isotype:</b> Mouse IgG2a
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### Product Usage Information

#### Application

Western Blotting  
Simple Western™  
Immunoprecipitation  
Immunofluorescence (Immunocytochemistry)

#### Dilution

1:1000  
1:50 - 1:250  
1:200  
1:1600 - 1:6400

### Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

### Specificity/Sensitivity

GST-Tag (26H1) Mouse mAb detects transfected glutathione S-transferase (GST) fusion proteins.

### Source / Purification

Monoclonal antibody is produced by immunizing animals with a GST fusion protein.

### Background

Epitope tags are useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation, and immunostaining techniques. Because of their small size, they are unlikely to affect the tagged protein's biochemical properties.

Glutathione S-transferase (GST) is a widely used fusion partner, since it provides both an easily detectable Tag and a simple purification process with little effect on the biological function of the protein of interest. Numerous vectors containing GST-Tag have been developed for both prokaryotic and eukaryotic systems over the past decade (1-3).

### Background References

1. Guan, K.L. and Dixon, J.E. (1991) *Anal Biochem* 192, 262-7.
2. Davies, A.H. et al. (1993) *Biotechnology (N Y)* 11, 933-6.
3. Yu, J. et al. (1998) *Mol Cell Biol* 18, 1379-87.

### Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

### Western Blot Buffer

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

### Applications Key

**W:** Western Blotting **W-S:** Simple Western™ **IP:** Immunoprecipitation **IF-IC:** Immunofluorescence (Immunocytochemistry)

### Cross-Reactivity Key

**All:** All Species Expected

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