Product Data Sheet

# GST-Tag Monoclonal Antibody

Catalog Number: ORF.GSTMAB-50

| Product Details | |
|---|---|
| **Product Name** | GST-Tag Monoclonal Antibody |
| **Catalog Number** | ORF.GSTMAB-50 |
| **Size** | 50 µL |
| **Concentration** | 1 mg/mL |
| **Clonality** | Monoclonal |
| **Source** | Mouse |
| **Isotype** | IgG |
| **Purification** | The antibody was purified by immunogen affinity chromatography. |

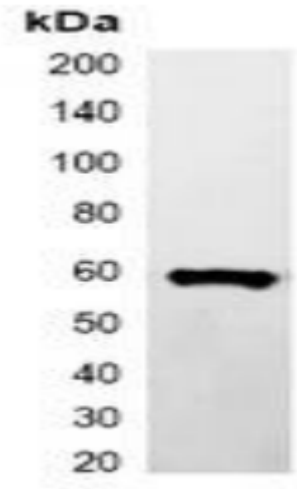
## Product Description

Glutathione S-transferase (GST) is a 26 kDa protein found in both eukaryotic and prokaryotic organisms, where it catalyzes a variety of biochemical reactions. In research applications, the GST gene is frequently used in fusion expression systems, producing GST-tagged proteins that can be efficiently purified via their strong affinity for glutathione.

GST fusion proteins are widely utilized in protein research, particularly for studying direct protein–protein interactions. The GST tag system is compatible with numerous expression vectors, making it a versatile and widely adopted tool for recombinant protein production and purification.

This monoclonal antibody specifically recognizes the GST epitope, enabling sensitive and specific detection of GST-tagged proteins in applications such as Western blotting, immunoprecipitation, immunofluorescence, and ELISA. It provides reliable performance for both native and denatured forms, ensuring consistent results across diverse experimental workflows.

## Product Image



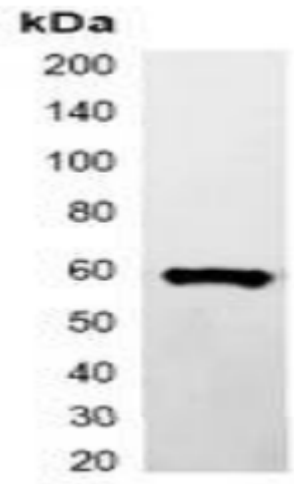

| Product Specifications and Product Specific Information | |
|---|---|
| **Applications** | WB: 1:2000 – 1:5000<br>IP: 1:100 – 1:200 |

*For research applications only. Not for diagnostic or therapeutic use.*

| | |
|---|---|
| **Reactivity** | N/A |
| **Specificity** | Recognizes C-terminal, internal, and N-terminal GST-tag fusion proteins |
| **Immunogen** | KLH-conjugated synthetic peptide encompassing a sequence of GST-tag.<br>The exact sequence is proprietary. |
| **Description** | Mouse monoclonal antibody to GST-tag |
| **Buffer** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |

| **Storage and Stability** | | |
|---|---|---|
| | **Temperature** | **Storage Time** |
| **Short Term** | 4°C | 1 month |
| **Long Term** | -20°C | 12 months |
| **Avoid repeated freeze-thaw cycles.** | | |

## Product Data




Western blot analysis of over-expressed GST-tagged protein in 293T cell lysate.

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