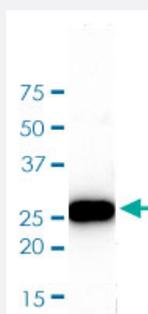


# GST monoclonal antibody, clone 1E5

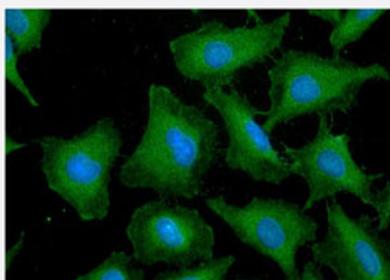
Catalog # MAB1132      Size 100 uL

## Applications



### Western Blot (Recombinant protein)

Western blot analysis of recombinant protein GST (50 ng, 28kDa) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with GST monoclonal antibody, clone 1E5 (1:1000).



### Immunofluorescence

Immunofluorescence analysis of HeLa cells. The cell was stained with GST monoclonal antibody, clone 1E5 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against recombinant human GST.
<b>Immunogen</b>	Recombinant protein corresponding to human GST.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification
<b>Isotype</b>	IgG2b, kappa

<b>Recommend Usage</b>	ELISA Immunocytochemistry (1:100) Immunofluorescence (1:100) Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
<b>Storage Instruction</b>	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Recombinant protein)

Western blot analysis of recombinant protein GST (50 ng, 28kDa) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with GST monoclonal antibody, clone 1E5 (1:1000).

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of HeLa cells. The cell was stained with GST monoclonal antibody, clone 1E5 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

## Publication Reference

- [A Novel Function of Novobiocin: Disrupting the Interaction of HIF 1 \$\alpha\$  and p300/CBP through Direct Binding to the HIF1 \$\alpha\$  C-Terminal Activation Domain.](#)

Wu D, Zhang R, Zhao R, Chen G, Cai Y, Jin J.

PLoS One 2013 May; 8(5):e62014.

Application: WB-Ce, Human, HeLa cells

- [Conventional immunoassays underestimate anti-GST antibody titre.](#)

Cartwright GA, Rothel JS, Lightowers MW.

Journal of Immunological Methods 1995 Feb; 179(1):31.

Application: C-ELISA, ELISA, N/A, Recombinant protein

- [A non-radioactive assay for the detection and quantitation of a DNA binding protein.](#)

Hibma MH, Ely SJ, Crawford L.

Nucleic Acids Research 1994 Sep; 22(18):3806.

- [Mr 26,000 antigen of Schistosoma japonicum recognized by resistant WEHI 129/J mice is a parasite glutathione S-transferase.](#)

Smith DB, Davern KM, Board PG, Tiu WU, Garcia EG, Mitchell GF.

PNAS 1986 Nov; 83(22):8703.