

AM00069PU-N**Monoclonal Antibody to GST-Tag - Purified**

Alternate names:	GST26-Tag, Glutathione S-transferase Tag
Quantity:	0.1 mg
Background:	The glutathione-S-transferase (GST) of <i>Schistosoma japonicum</i> is widely used as fusion partner in protein expression systems. The GST can be used for affinity purification of fusion proteins on immobilized glutathion as well as tag sequence if antibodies specific for the expressed protein are not available.
Uniprot ID:	P08515
NCBI:	6182
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	4H3
Immunogen:	Recombinant GST (pGEX), <i>Schistosoma japonicum</i>
Format:	State: Lyophilized purified IgG fraction Purification: Size Exclusion Chromatography Buffer System: 1 ml 2xPBS / 0.09% Sodium Azide / PEG and Sucrose Reconstitution: Restore with 1 ml H ₂ O (15 min, RT).
Applications:	Western Blot: 0.5 µg/ml for HRPO/ECL detection. <u>Recommended blocking buffer:</u> Casein/Tween 20 based blocking and blot incubation buffer. ELISA: 0.05 µg/ml. Immunoprecipitation: 1-10 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody specifically interacts with GST of <i>Schistosoma japonicum</i> that is encoded by the pGEX expression vectors. The antibody does not interact with mammalian GST proteins.
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months. Shelf life: one year from despatch.

Pictures:

Antibody sensitivity Recombinant GST-PIN1 was separated by SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab 4H3 (0.5 µg/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec). lane 1: 100ng, lane 2: 50ng, lane 3: 25ng, lane 4: 10ng, lane 5: 5ng, lane 6: 2ng, lane 7: 1ng

