Mouse Monoclonal Antibody to

Glutathione-S-transferase (pGEX)

clone 4H3

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Order No.: **0013-100/GST-4H3**
Size (µg) 100
Lot No.: 0013S

01/050307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG2a		WB, ELISA, IP	26 kDa	none		recombinant GST (pGEX), *Schistosoma japonicum*

Background and Specificity:

The glutathione-S-transferase (GST) of *Schistosoma japonicum* 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.

Mab GST-4H3 specifically interacts with GST of *Schistosoma japonicum* that is encoded by the pGEX expression vectors. The antibody does not interact with mammalian GST proteins.

Related Products

Purification: The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

Formulation: lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.

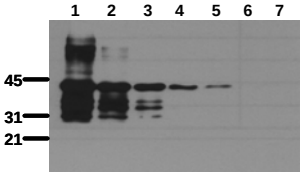
Reconstitution: Reconstitute with 1 ml H_2O (15 min, RT).

Stability: For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

Avoid repeated freeze / thaw cycles.

Positive Control: none

Immunoblotting: 0.5 µg/ml for HRPO/ECL detection.
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.



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

Immunoprecipitation: use at 1 - 10 µg/ml

Immunocytochemistry: ND

ELISA: use at 0.05 µg/ml

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