

Monoclonal Antibody to Glutathione NEM - Purified

Catalog No.: AM32660PU-N

Quantity: 0.1 mg

Concentration: 1.0 mg/ml

Host / Isotype: Mouse / IgG1

Recommended Isotype Controls: AM03095PU-N

Clone: 8.1GSH

Immunogen: GS-NEM conjugated to KLH

Format: **State:** Liquid purified IgG fraction
Purification: Protein A Sepharose Chromatography
Buffer System: 0.02M PBS pH 7.6, 0.25M NaCl
Preservatives: 0.09% Sodium Azide

Applications: **ELISA:** 1/100,000-1/200,000 to quantify GSH at ≥ 2 mM in biological specimens.
Flow Cytometry: 1/100-1/1,000
Immunocytochemistry: 1/100-1/500 for assessment of intracellular GSH distribution.
Immunohistochemistry: 1/100 (paraformaldehyde fixation).
Western Blotting.
Note: For use in Flow Cytometry or ELISA, sample should be first reacted with 10 μ M NEM for 10 min at -70°C.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Reactive with thiol-modified glutathione. Does not react with Oxidized Glutathione (GSSG) or Glutathione (GSH) in mixed disulfide linkage with proteins. AM32660PU-N is specific to the glutathione: N-ethylmaleimide adduct; thus it is useful for quantification of reduced glutathione (GSH) after reaction with N-ethylmaleimide.

Species Reactivity: **Tested:** Mammals.

Storage: Store undiluted at 2-8°C.
Shelf life: one year from despatch.

General Readings: 1. Free Radical Biol. Med.(1995)18:709.
2. Anticarcinogenesis and Radiation Protection. Cerutti, P., O. Nygaard, and M. Simic (Eds) (1987) pp. 407-412.