



MOUSE ANTI-GLUTATHIONE: N-ETHYLMALEIMIDE ADDUCT (GS-NEM) MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB3194
LOT NUMBER:	
QUANTITY:	100 µg
CONCENTRATION:	1 mg/mL
SPECIFICITY:	Reactive with thiol-modified glutathione. Does not react with oxidized glutathione (GSSG) or glutathione (GSH) in mixed disulfide linkage with proteins. MAB3194 is specific to the glutathione:N-ethylmaleimide adduct; thus it is useful for quantification of reduced glutathione (GSH) after reaction with N-ethylmaleimide. For use in ELISA or flow cytometry, sample must first be reacted with NEM.
ISOTYPE:	IgG ₁
CLONE:	8.1GSH
IMMUNOGEN:	GS-NEM conjugated to KLH
APPLICATIONS:	Immunohistochemistry: 1:100 (paraformaldehyde fixation) Immunocytochemistry: 1:100 - 1:500 for assessment of intracellular GSH distribution. ELISA: 1:100,000 - 1:200,000 to quantify GSH at ≥ 2 mM in biological specimens. Flow cytometry: 1:100 - 1:1,000 Note: For use in flow cytometry or ELISA, sample should be first reacted with 10 µM NEM for 10 min at -70°C. Optimal working dilutions must be determined by end user.
FORMAT:	Purified immunoglobulin from Protein A Sepharose chromatography.
PRESENTATION:	Liquid in 0.02M PBS pH 7.6, 0.25M NaCl containing 0.1% sodium azide.
STORAGE/HANDLING:	Maintain at 2-8°C in undiluted.
REFERENCES:	1. <i>Free Radical Biol. Med.</i> (1995) 18 :709. 2. <i>Anticarcinogenesis and Radiation Protection</i> . Cerutti, P., O. Nygaard, and M. Simic (Eds) (1987) pp. 407-412.

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

For research use only; not for use as a diagnostic.

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