Mouse anti- glutathione S-transferase Monoclonal Antibody

Cat. No. CAB103 **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	Mouse
Antigen information	The glutathione S-transferase (GST) family of enzymes comprises a long list of cytosolic, mitochondrial, and microsomal proteins that are capable of multiple reactions with a multitude of substrates, both endogenous and xenobiotic. This is a member of MAPEG family of transmembrane protein. These enzymes can constitute up to 10% of cytosolic protein in some mammalian organs. GSTs catalyse the conjugation of reduced glutathione via the sulfhydryl group, to electrophilic centers on a wide variety of substrates. This activity is useful in the detoxification of endogenous compounds such as peroxidised lipids, as well as the metabolism of xenobiotics. As well as their enzymatic activities, GSTs may also bind toxins and function as transport proteins. Because of this, an early term for GSTs was "ligandin".
Specificity	Recognizes GST and GST-tagged fusion proteins.
Antibody class	Mouse IgG2a
Applications	This antibody can be used in ELISA and Western blotting.
Presentation and storage	Purified antibody is available at a concentration of 1mg/ml in citrate-tris-Hcl buffer pH7.0, with 0.02%Proclin 300 as a preservative. The antibody may be stored at -20° C for one year in its original formulation. Additionally, antibody may be stored at 2° to 8° C for up to 1 month without detectable loss of activity. Avoid repeated freeze-thaw

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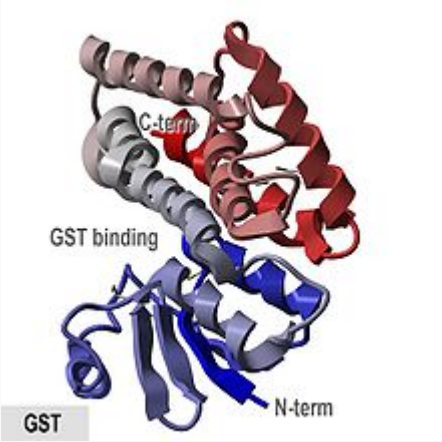
	cycles of the diluted antibody.
Glutathione S-Transferase structure (PDB: 1R5A); Chain: A [Ec: 2.5.1.18]. Exp.	

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