

Mouse Monoclonal Antibody to GSTM1

Catalogue Number	sAP-0645
Target Molecule	<p>Name: GSTM1</p> <p>Aliases: MU; H-B; GST1; GTH4; GTM1; MU-1; GSTM1-1; MGC26563; GSTM1a-1a; GSTM1b-1b</p> <p>MW: 26kDa</p> <p>Entrez Gene ID: 2944</p>
Description	<p>Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy</p>
Immunogen	Purified recombinant fragment of human GSTM1 expressed in E. Coli. ;
Reactive Species	Human; Monkey
Clone	MM1H4A4;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Exp Clin Cancer Res. 2009 Apr 1;28:46. ; 2. Cancer Prev Res (Phila). 2009 Apr;2(4):345-52. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**