

## Mouse Monoclonal Antibody to GYS1

<b>Catalogue Number</b>	sAP-0511
<b>Target Molecule</b>	<p><b>Name: GYS1</b></p> <p><b>Aliases:</b> GSY; GYS; GYS1</p> <p><b>MW:</b> 85kDa</p> <p><b>Entrez Gene ID:</b> 2997</p>
<b>Description</b>	Glycogen synthase, skeletal muscle, the rate limiting enzyme of the insulin-induced glycogenesis. The protein encoded by this gene catalyzes the addition of glucose monomers to the growing glycogen molecule through the formation of alpha-1, 4-glycoside linkages. Mutations in this gene are associated with muscle glycogen storage disease. Muscle GS is expressed in several tissues.
<b>Immunogen</b>	Purified recombinant fragment of human GYS1 expressed in E. Coli.
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM3A7;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. PLoS One. 2007 Mar 14;2(3):e285. ; 2. Mol Syst Biol. 2007;3:89. Epub 2007 Mar 13.

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**