

## Mouse Monoclonal Antibody to GCG

<b>Catalogue Number</b>	sAP-0503
<b>Target Molecule</b>	<p><b>Name:</b> GCG</p> <p><b>Aliases:</b> GLP1; GLP2; GRPP; GCG</p> <p><b>MW:</b> 21kDa</p> <p><b>Entrez Gene ID:</b> 2641</p>
<b>Description</b>	<p>The protein encoded by this gene is actually a preproprotein that is cleaved into four distinct mature peptides. One of these, glucagon, is a pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is a ligand for a specific G-protein linked receptor whose signalling pathway controls cell proliferation. Two of the other peptides are secreted from gut endocrine cells and promote nutrient absorption through distinct mechanisms. Finally, the fourth peptide is similar to glicentin, an active enteroglucagon. Tissue specificity: Glucagon is secreted in the A cells of the islets of Langerhans. GLP-1, GLP-2, oxyntomodulin and glicentin are secreted from enteroendocrine cells throughout the gastrointestinal tract. GLP1 and GLP2 are also secreted in selected neurons in</p>
<b>Immunogen</b>	Purified recombinant fragment of human GCG expressed in E. Coli.
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM2F9;
<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
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Int J Mol Med. 2008 Jul;22(1):127-32. ; 2. Physiol Behav. 2008 Aug 6;94(5):696-9.

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**