

## Mouse Monoclonal Antibody to ApoM

<b>Catalogue Number</b>	sAP-0091
<b>Target Molecule</b>	<p><b>Name:</b> ApoM</p> <p><b>Aliases:</b> G3a; NG20; HSPC336; MGC22400</p> <p><b>MW:</b> 21kDa</p> <p><b>Entrez Gene ID:</b> 55937</p>
<b>Description</b>	<p>ApoM (apolipoprotein M, also designated G3a or NG20), with 188-amino acid protein (about 21kDa), is an apolipoprotein and member of the lipocalin protein family. The Apo-proteins are involved in the specific binding of cellular receptors, the regulation of lipolytic enzymes, and the process of lipid exchange. The encoded protein is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. The N-terminal region of Apo-M contains hydrophobic residues that may promote association with the phospholipid layer of lipoprotein particles. In vitro, Apo-M is glycosylated when translated in the presence of microsomes, and remains associated with the microsomes after carbonate treatment. Apo-M is expressed in liver and kidney, and is secreted into the bloodstream in HDLs, and also found in</p>
<b>Immunogen</b>	Purified recombinant fragment of ApoM expressed in E. Coli.
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM10C3G5;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS 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; ICC: 1 to 200 - 1 to 1000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	<p>1. Xu, N. &amp; Dahlback, B. 1999. J. Biol. Chem. 274 (44):31286-31290. ; 2. Christian Wolfrum, Matthew N Poy &amp; Markus Stoffel. 2005. Nat Med. 11(4):418-22. ; 3. Xu, N., Nilsson-Ehle, P. &amp; Ahren, B. 2004. J. Nutr. Biochem. 15 (10):579-582. ; 4. Zhang, X.Y., et al. 20</p>

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**