

## Mouse Monoclonal Antibody to ApoA5 (bd)

<b>Catalogue Number</b>	sAP-0005
<b>Target Molecule</b>	<p><b>Name:</b> ApoA5 (bd)</p> <p><b>Aliases:</b> RAP3; APOAV; APOA-V</p> <p><b>MW:</b> 41.2kDa</p> <p><b>Entrez Gene ID:</b> 116519</p>
<b>Description</b>	<p>Apolipoprotein A5 (ApoA5) is fast gaining attention as a key regulator of serum triglyceride concentrations. An ApoA5 mouse knock-out model produced an approximately four fold increase in serum triglycerides, whereas a knock-in model with human ApoA5 produced 50–70% lower ; concentrations of mouse serum triglycerides. In addition, peroxisome proliferator-activated receptor- agonists, which are used clinically to lower serum triglyceride concentrations, cause increased ApoA5 mRNA expression. Recently, it was demonstrated that ApoA5 is present in human serum detected by polyclonal antibodies against both the NH2 and COOH termini, although at much lower concentration than other apolipoproteins.</p>
<b>Immunogen</b>	Purified recombinant fragment of human APOA5 (AA: 180-363) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM4H8H8E2(c);
<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 H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	<p>1. Pennacchio, L. et al. Science 2001 294, 169-173. ; 2. Prieur, X. et al. (2003) J Biol Chem 278, 25468-25480. ; 3. O'Brien, P.J. et al. (2005) Clin Chem 51:2, 1-9. ;</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**