



Product Specification Sheet

Cat. #MA-20005

Mouse Monoclonal Anti-Human ApoA5 (apolipoprotein A5) ; Ascites

SIZE: 100 ul

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- α 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.

References: Pennacchio, L. et al. Science 2001 294, 169-173. Prieur, X. et al. (2003) J Biol Chem 278, 25468-25480. O'Brien, P.J. et al. (2005) Clin Chem 51:2, 1-9.

**All product are for In vitro research use only.*

Related material available from GSI

Source of Antigen and Antibodies

Antigen	Purified recombinant fragment of human APOA5 expressed in E. Coli.
Ab Host/type	Balb/c mouse. Isotype: IgG1
2-Ab	Goat Anti-mouse IgG-HRP conjugate Cat # SA-40320 (AP, biotin, FITC conjugates also available)
-ve control IgG	Cat # SA-20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control

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Isotype Controls

SA-20102-101 Mouse IgG1 isotype control, purified
 SA-20102-101-APC Mouse IgG1-APC conjugate (isotype)
 SA-20102-101-B Mouse IgG1-Biotin conjugate (isotype)
 SA-20102-101-F Mouse IgG1-FITC conjugate (isotype)
 SA-20102-101-FP Mouse IgG1-FITC-PE conjugate (isotype)
 SA-20102-101-HP Mouse IgG1-HRP conjugate (isotype)
 SA-20102-101-PC5 Mouse IgG1-PE-Cy5 conjugate (isotype)
 SA-20102-101-PE Mouse IgG1-PE conjugate (isotype control)

Suggested Dilutions:

Western blot	1:500– 1:2000
Immunohistochemistry (IHC):	1:200-1:1000
Immunocytochemistry (ICC):	1:200–1:1000
Flow cytometry (FCM):	1/200-1/400
ELISA	1:5000-1:10000

Form: Antibodies are supplied in PBS, pH 7.5, 0.05% azide and 0.1% BSA in liquid (0.5-1 mg/ml) or lyophilized in the same buffer. Reconstitute powder in 100 ul water or PBS. Store at -20oC or below in suitable size Aliquots.

Shipping: 4oC for solutions and room temp for powder.

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