



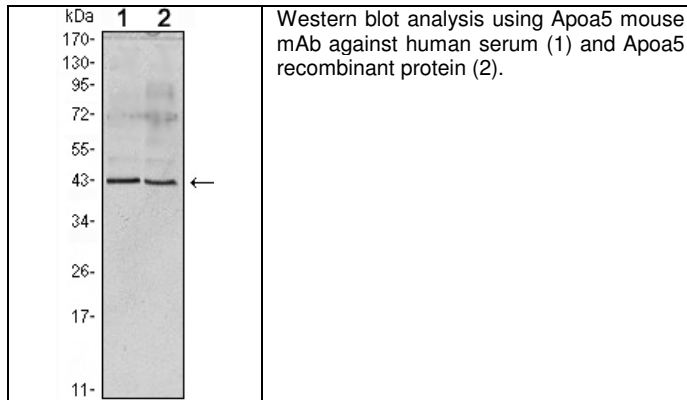
## Product Specification Sheet

Cat. #MA-20006

Mouse Monoclonal Anti-Human Apolipoprotein A5 (ApoA5) ; 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-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.



Western blot analysis using ApoA5 mouse mAb against human serum (1) and ApoA5 recombinant protein (2).

### Source of Antigen and Antibodies

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

### References:

Pennacchio, L. et al. Science 2001 294, 169-173. Prieur, X. et al. (2003) J Biol Chem 278, 25468-25480. Obrien, 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

### Isotype Controls

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

MA-20006

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### Suggested Dilutions:

Western blot	1:500– 1:2000
Immunohistochemistry (IHC):	N/A
Immunocytochemistry (ICC):	N/A
Flow cytometry (FCM):	N/A
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 Aliquotes.

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

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