

ApoA-IV Mouse mAb

CatalogNo: YM0031

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB, ELISA

MW

- 45kD (Calculated)

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:10000

Not yet tested in other applications.

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Monoclonal

Immunogen Information

Immunogen Purified recombinant fragment of ApoA-IV (aa21-396) expressed in E. Coli.

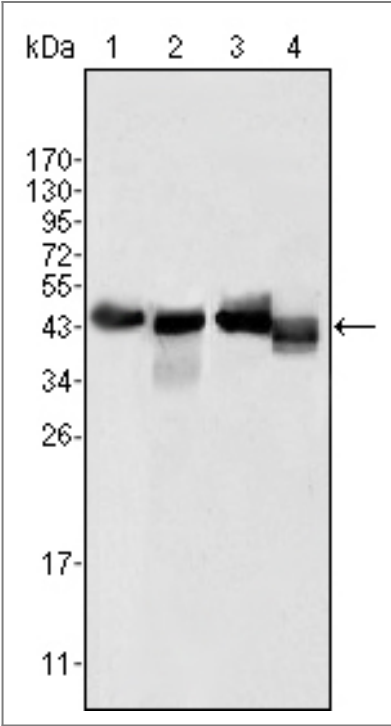
Specificity ApoA-IV Monoclonal Antibody detects endogenous levels of ApoA-IV protein.

Target Information

Gene name APOA4

Protein Name	Apolipoprotein A-IV		
	Organism	Gene ID	UniProt ID
	Human	337;	P06727;
	Mouse		P06728;
Cellular Localization	Secreted.		
Tissue specificity	Synthesized primarily in the intestine and secreted in plasma.		
Function	<p>Domain:Nine of the thirteen 22-amino acid tandem repeats (each 22-mer is actually a tandem array of two, A and B, related 11-mers) occurring in this sequence are predicted to be highly alpha-helical, and many of these helices are amphipathic. They may therefore serve as lipid-binding domains with lecithin:cholesterol acyltransferase (LCAT) activating abilities.,Function:May have a role in chylomicrons and VLDL secretion and catabolism. Required for efficient activation of lipoprotein lipase by ApoC-II; potent activator of LCAT. ApoA-IV is a major component of HDL and chylomicrons.,online information:The Singapore human mutation and polymorphism database,polymorphism:Eight alleles have been characterized (APOA-IV*0 to APOA-IV*7). APOA-IV*1 is the major allele (90%), APOA-IV*2 is also common (8%), the others are rare alleles.,similarity:Belongs to the apolipoprotein A1/A4/E family.,tissue specificity:Synthesized primarily in the intestine and secreted in plasma.,</p>		

Validation Data



Western Blot analysis using ApoA-IV Monoclonal Antibody against human serum (1), human plasma (2), HepG2 cell lysate (3) and SMMC-7721 cell lysate (4).

| Contact information

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ApoA-IV Mouse mAb

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