

## ApoA-IV Mouse mAb

CatalogNo: YM0032

### 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

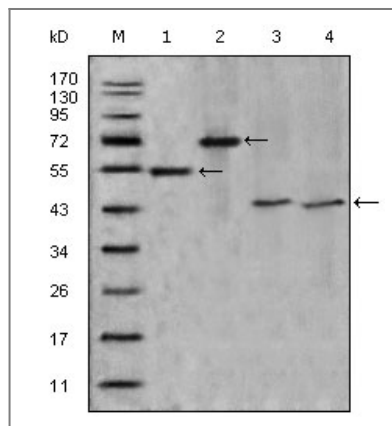
[P06728;](#)**Cellular  
Localization**

Secreted.

**Tissue specificity** Synthesized primarily in the intestine and secreted in plasma.**Function**

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.,

## Validation Data



Western Blot analysis using ApoA-IV Monoclonal Antibody against truncated APOA4-His recombinant protein (1),truncated APOA4(aa21-396)-hlgGfc transfected CHO-K1 cell lysate(2),human serum (3) and human plasma (4).

## Contact information

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