

APOA4 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1254a**Specification**

APOA4 Antibody - Product Information

Application	WB, ICC, IF
Primary Accession	P06727.3
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1

Description

APOA4: apolipoprotein A-IV. Apolipoprotein (apo) A-IV gene contains 3 exons separated by two introns. A sequence polymorphism has been identified in the 3'UTR of the third exon. The primary translation product is a 396-residue preprotein which after proteolytic processing is secreted its primary site of synthesis, the intestine, in association with chylomicron particles. Although its precise function is not known, apo A-IV is a potent activator of lecithin-cholesterol acyltransferase in vitro.

Immunogen

Purified recombinant fragment of APOA4 (aa21-396) expressed in E. Coli.

Formulation

Ascitic fluid containing 0.03% sodium azide.

APOA4 Antibody - Additional Information**Dilution**

WB~~1/500 - 1/2000
ICC~~1:200~~1000
IF~~1:200~1000.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

APOA4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

APOA4 Antibody - Protein Information**APOA4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

APOA4 Antibody - Images

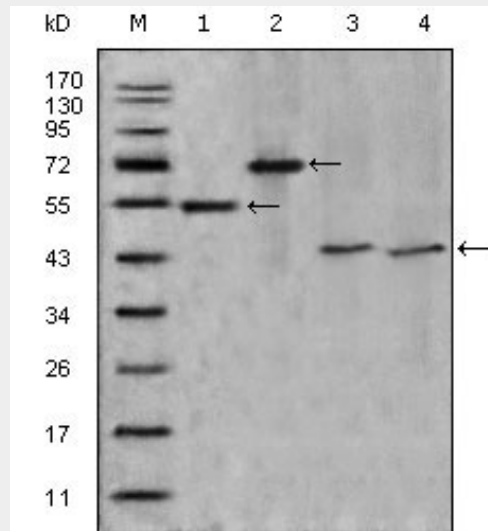


Figure 1: Western blot analysis using APOA4 mouse mAb against truncated APOA4-His recombinant protein (1), truncated APOA4(aa21-396)-hlgGfc transfected CHO-K1 cell lysate (2), human serum (3) and human plasma (4).

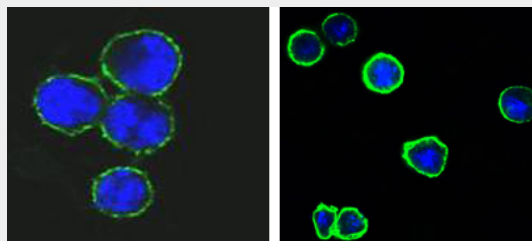


Figure 1: Confocal immunofluorescence analysis of methanol-fixed BCBL-1 (left) and L1210 (right) cells using CD37 mouse mAb (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.

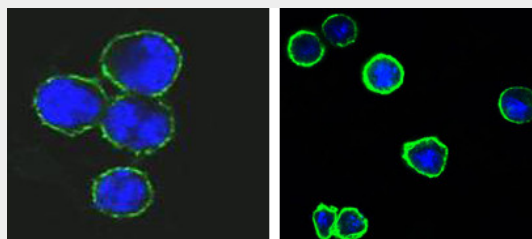


Figure 1: Confocal immunofluorescence analysis of methanol-fixed BCBL-1 (left) and L1210 (right) cells using anti-CD37 monoclonal antibody (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.

APOA4 Antibody - References

1. J Biol Chem. 2006 Feb 10;281(6):3560-8.
2. Clin Chim Acta. 2008 Feb;388(1-2):78-83.