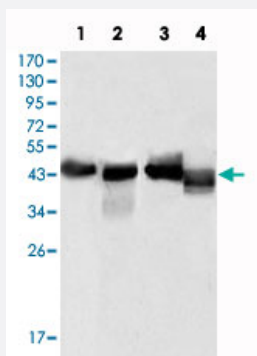


# APOA4 monoclonal antibody, clone 1D4C11

Catalog # MAB10487      Size 100 uL

## Applications



### Western Blot

Western blot analysis using APOA4 monoclonal antibody, clone 1D4C11 (Cat # MAB10487) against human serum (1), human plasma (2), HepG2 cell lysate (3) and SMMC-7721 cell lysate (4).

## Specification

|                             |                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Mouse monoclonal antibody raised against partial recombinant APOA4.                                                  |
| <b>Immunogen</b>            | Recombinant protein corresponding to amino acids 21-396 of human APOA4.                                              |
| <b>Host</b>                 | Mouse                                                                                                                |
| <b>Theoretical MW (kDa)</b> | 45                                                                                                                   |
| <b>Reactivity</b>           | Human                                                                                                                |
| <b>Form</b>                 | Liquid                                                                                                               |
| <b>Isotype</b>              | IgG2a                                                                                                                |
| <b>Recommend Usage</b>      | ELISA (1:10000)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In ascites (0.03% sodium azide)                                                                                      |
| <b>Storage Instruction</b>  | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.               |

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — APOA4

|               |                     |
|---------------|---------------------|
| Entrez GeneID | <a href="#">337</a> |
|---------------|---------------------|

|           |       |
|-----------|-------|
| Gene Name | APOA4 |
|-----------|-------|

|            |                      |
|------------|----------------------|
| Gene Alias | MGC142154, MGC142156 |
|------------|----------------------|

|                  |                     |
|------------------|---------------------|
| Gene Description | apolipoprotein A-IV |
|------------------|---------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">107690</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Summary | 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. [provided by RefSeq] |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |   |
|--------------------|---|
| Other Designations | - |
|--------------------|---|

## Disease

- [Amyotrophic lateral sclerosis](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)

- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Disorders](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Diseases in Twins](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hyperlipoproteinemia Type IV](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hyperuricemia](#)

- [Infant](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pulmonary Disease](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Urinary Bladder Neoplasms](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)