

# APOA5 monoclonal antibody, clone 4H8H8E2

Catalog # MAB2375      Size 100 uL

## Specification

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Product Description | Mouse monoclonal antibody raised against full length recombinant APOA5.                                                |
| Immunogen           | Recombinant protein corresponding to full length human APOA5.                                                          |
| Host                | Mouse                                                                                                                  |
| Reactivity          | Human                                                                                                                  |
| Form                | Liquid                                                                                                                 |
| Isotype             | IgG1, kappa                                                                                                            |
| Recommend Usage     | The optimal working dilution should be determined by the end user.                                                     |
| Storage Buffer      | In PBS (0.09% sodium azide)                                                                                            |
| Storage Instruction | Store at -20°C or -80°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

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — APOA5

|               |                                           |
|---------------|-------------------------------------------|
| Entrez GeneID | <a href="#">116519</a>                    |
| Gene Name     | APOA5                                     |
| Gene Alias    | APOA-V, APOAV, MGC126836, MGC126838, RAP3 |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | apolipoprotein A-V                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Omim ID            | <a href="#">144650</a> <a href="#">145750</a> <a href="#">606368</a>                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Summary       | The protein encoded by this gene is an apolipoprotein and an important determinant of plasma tri glyceride levels, a major risk factor for coronary artery disease. It is a component of high density li poprotein and is highly similar to a rat protein that is upregulated in response to liver injury. This g ene uses alternate polyadenylation sites and is located proximal to the apolipoprotein gene cluste r on chromosome 11q23. [provided by RefSeq |
| Other Designations | apolipoprotein A-V precursor variant 1 apolipoprotein A-V precursor variant 2 apolipoprotein A5 a polipoprotein AV regeneration-associated protein 3                                                                                                                                                                                                                                                                                                            |

## Publication Reference

- [The novel apolipoprotein A5 is present in human serum, is associated with VLDL, HDL, and chylomicrons, and circulates at very low concentrations compared with other apolipoproteins.](#)

O'Brien PJ, Alborn WE, Sloan JH, Ulmer M, Boodhoo A, Knierman MD, Schultze AE, Konrad RJ.  
Clinical Chemistry 2005 Feb; 51(2):351.

Application: ELISA, IP, WB, Human, Human serum, Recombinant protein

- [The human apolipoprotein AV gene is regulated by peroxisome proliferator-activated receptor-alpha and contains a novel farnesoid X-activated receptor response element.](#)

Prieur X, Coste H, Rodriguez JC.  
The Journal of Biological Chemistry 2003 Jul; 278(28):25468.

- [An apolipoprotein influencing triglycerides in humans and mice revealed by comparative sequencing.](#)

Pennacchio LA, Olivier M, Hubacek JA, Cohen JC, Cox DR, Fruchart JC, Krauss RM, Rubin EM.  
Science 2001 Oct; 294(5540):169.

## Pathway

- [PPAR signaling pathway](#)

## Disease

- [Acute Disease](#)

- [Alzheimer disease](#)
- [Aortic Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [DNA Damage](#)
- [Ductus Arteriosus](#)
- [Dyslipidemias](#)

- [Edema](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type I](#)
- [Hyperlipoproteinemia Type II](#)
- [Hyperlipoproteinemia Type III](#)
- [Hyperlipoproteinemias](#)
- [Hypertriglyceridemia](#)
- [Hypolipoproteinemias](#)
- [Infant](#)
- [Insulin Resistance](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Overweight](#)
- [Pancreatitis](#)

- [Pregnancy Complications](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Stroke](#)
- [Weight Loss](#)
- [Werner syndrome](#)