

## Anti-APOE Antibody Picoband® FITC Conjugated

Catalog Number: A00015-5-FITC

### About APOE

APOE is also known as AD2 or LPG. The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. Alternative splicing results in multiple transcript variants.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-APOE Antibody Picoband® FITC Conjugated  |
| Reactive Species     | Human   |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | P02649  |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | E.coli-derived human APOE recombinant protein (Position: E95-Q222).  |
| Cross Reactivity    | No cross-reactivity with other proteins.                             |
| Isotype             | Rabbit IgG   |
| Form                | Liquid   |
| Concentration       | 0.5 mg/mL  |
| Purification        | Immunogen affinity purified.   |
| Conjugate           | FITC<br>Excitation Wavelength: 495 nm<br>Emission Wavelength: 525 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users.                 |

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Anti-APOE Antibody - FITC

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