



## ***Anti-human Apolipoprotein E Antibody Apo E-3D2, Biotinylated***

### **ORDERING INFORMATION**

**Catalog Number:** BML012

**Lot Number:**

**Size:** 100  $\mu$ g

**Formulation:** 0.2  $\mu$ m filtered PBS solution

**Storage:** -80°C

**Specificity:** human apolipoprotein E

**Immunogen:** human plasma VLDL

**Ig Type:** IgG2a

**Application:** Western blot

Sandwich ELISA

### ***Preparation***

Produced in mice immunized with very low-density lipoprotein (VLDL) purified from human plasma. Apo E specific IgG was purified from mouse ascites fluid with a protein A-Sepharose.

### ***Formulation***

0.2  $\mu$ m filtered PBS solution

### ***Storage***

IgG in PBS solution are stable for twelve months from the date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles.

### ***Specificity***

This antibody has been selected for its ability to bind for human and rabbit apolipoprotein E by western blotting.

### ***Additional Applications***

**Western Blot** – This antibody can be used at 0.5 – 1.0  $\mu$ g/mL with the appropriate secondary reagent to detect human and rabbit plasma apolipoprotein E (apoE). The detection limit for plasma apoE is approximately 0.05  $\mu$ L, under reducing conditions.

**Sandwich ELISA** – This biotinylated antibody (Catalog #BML012) can be used as a detection antibody in a human apo E ELISA in combination with the monoclonal capture antibody (Catalog #BML010). A general protocol is provided on the next page. Using plates coated with 100  $\mu$ L/well of the capture antibody, in combination with 100  $\mu$ L/well of the detection antibody at 500 ng/mL, an ELISA for sample volumes of 100  $\mu$ L can be obtained. Titrate each preparation of the serum sample for standard preparation to arrive at the most suitable dose range.

**Optimal dilutions should be determined by each laboratory for each application.**

### ***References***

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

**BML, Inc.**  
1361-1 Matoba, Kawagoe, Saitama 350-1101, Japan  
TEL +81-49-232-0440/FAX +81-49-232-5480