



BML

**Anti-human Apolipoprotein A-IV  
A4-11G12, Biotinylated**

**ORDERING INFORMATION**

**Catalog Number:** BML003

**Lot Number:**

**Size:** 50 µg

**Formulation:** 0.2 µm filtered PBS solution containing 0.1% sodium azide

**Storage:** -80°C

**Specificity:** human apolipoprotein A-IV

**Immunogen:** apolipoprotein A-IV purified from pooled human plasma

**Ig Type:** IgG1

**Application:** Western blot

Sandwich ELISA

**Preparation**

Produced in mice immunized with apolipoprotein A-IV (apo A-IV) purified from human plasma. Apo A-IV specific IgG was purified from mouse ascites fluid with a protein A-Sepharose.

**Formulation**

0.2 µm filtered PBS solution containing 0.1% sodium azide

**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 plasma apo A-IV and recombinant apo A-IV from CHO cells by western blot.

**Additional Applications**

**Western Blot** – This antibody can be used at 0.5 – 1.0 µg/mL with the appropriate secondary reagent to detect human plasma apo A-IV. The detection limit for purified apo A-IV and plasma sample is approximately 0.01 µg/lane and 0.1 µL, respectively, by SDS-PAGE and western blotting under reducing condition.

**Sandwich ELISA** – This antibody can be used as a detection antibody in a human apo A-IV ELISA in combination with the monoclonal capture antibody (Catalog #BML001). In general, using plates coated with 100 µL/well of 5 µg/ml capture antibody (Catalog #BML001), in combination with 100 µL/well of 0.05 µg/ml detection antibody (Catalog #BML003), an ELISA for sample volumes of 100 µL can be obtained. Titrate each preparation of the serum sample for standard preparation to arrive at the most suitable dose range. For this antibody pair, a two-fold dilution series starting at 200 ng/mL is suggested. For more information, please see the next page or the reference (1).

**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