



Anti-human apolipoprotein A-V Antibody Apo A-V E8E

ORDERING INFORMATION

Catalog Number: BML005

Lot Number:

Size: 50 µg

Formulation: 0.2 µm filtered PBS solution

Storage: -80°C

Specificity: human plasma apo A-V

Immunogen: recombinat apo A-V

Ig Type: IgG1

Application: Western blot

Sandwich ELISA

Preparation

Produced in mice by the method of DNA-based immunization (1). Apo A-V specific IgG was purified from mouse ascites fluid with a protein A-Sepharose.

Formulation

0.2 µm 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 apo A-V (1).

Additional Applications

Western Blot – This antibody can be used at 0.2 – 1.0 ng/mL with the appropriate secondary reagent to detect human apo A-V. The detection limit for purified recombinant apo A-V and plasma sample is approximately 0.2 ng/lane and 0.5 µL/lane, respectively, under non-reducing and reducing conditions (1, 2).

Sandwich ELISA – The biotinylated antibody (Catalog #BML006) can be used as a detection antibody in a human apo A-V ELISA in combination with the monoclonal capture antibody (Catalog #BML004). The detail for ELISA protocol is described in reference (1). Using plates coated with 100 µL/well of the capture antibody, in combination with 100 µL/well of the detection antibody at 500 ng/mL, 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 20 ng/mL is suggested. For more information, please see the reference (1).

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

References

(1) Ishihara et al., A sandwich enzyme-linked immunosorbent assay for human plasma apolipoprotein A-V concentration. 2005;46:2015-2022.

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