



BML

Anti-human PLTP Antibody PLTP-114

ORDERING INFORMATION

Catalog Number: BML022

Lot Number:

Size: 50 µg

Formulation: 0.2 µm filtered PBS solution

Storage: -80°C

Specificity: human plasma PLTP

Immunogen: recombinant PLTP purified from CHO cells

Ig Type: IgG1

Application: Western blot
Sandwich ELISA

Preparation

Produced in mice immunized with recombinant phospholipid transfer protein (PLTP) purified from the culture medium of Chinese hamster ovary (CHO) cells. PLTP 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 PLTP (1).

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 PLTP. The detection limit for purified recombinant PLTP and plasma sample is approximately 0.02 µg/lane and 0.5 µL/lane, respectively, under non-reducing and reducing conditions (1, 2).

Sandwich ELISA – This antibody can be used as a capture antibody in a human PLTP ELISA in combination with the monoclonal detection antibody (Catalog #BML024). 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 600 pg/mL is suggested. For more information, please see the reference (1).

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

References

- (1) Oka et al., Measurement of human plasma phospholipids transfer protein by sandwich ELISA. Clin Chem, 2000;46:1357-1364.
- (2) Oka et al., Distribution of phospholipid transfer protein in human plasma: presence of two forms of phospholipids transfer protein, one catalytically active and the other inactive. J Lipid Res, 2000;41:1651-1657.
- (3) Oka et al., Distribution of human plasma PLTP mass and activity in hypo- and hyperalphalipoproteinemia. J Lipid Res, 2002;43:1236-1243.

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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