

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PLTP in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross-reactivity with recombinant human PLTP is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse PLTP Glu18-Ala493 (Asp32Glu) Accession # P55065
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

PLTP (phospholipid transfer protein) is a 65-80 kDa, secreted glycoprotein member of the BPI/LBP family of proteins. It is expressed by multiple cell types, circulates bound to HDL, and mediates the transfer of phospholipids and cholesterol from apoB-containing lipoproteins to HDL. Mature mouse PLTP is 476 amino acids (aa) in length. It contains an N-terminal lipid transfer domain (aa 21-239), a C-terminal HDL-binding domain (aa 263-463), and one essential intrachain disulfide bond (Cys146-Cys185). There are three potential PLTP splice variants. One shows a deletion of aa 148-493, a second shows a deletion of aa 111-162, and a third shows a deletion of aa 14-33 plus a two aa substitution for aa 184-493. Over aa 18-493, mouse PLTP shares 92% and 83% aa identity with rat and human PLTP, respectively.

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