

Recombinant Mouse ALPL protein (rFc Tag)

Catalog Number: Eg2714

Basic Information

Species:
Mouse**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse ALPL protein Phe18-Gly501 (Accession# P09242) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

11647

Accession:

P09242

Predicted Molecular Mass:

79.5 kDa

SDS-PAGE:

85-95 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

ALPL (Alkaline phosphatase, tissue-nonspecific isozyme) is also named as AP-TNAP, TNSALP and belongs to the alkaline phosphatase family. It can exist as a homodimer with the molecular weight of 140 kDa. ALPL was synthesized as a 66-kDa endo-b-N-acetylglucosaminidase H (Endo H)-sensitive form, and processed to an 80-kDa mature form, which is anchored to the plasma membrane via glycosylphosphatidylinositol (GPI). This antibody can bind the four mentioned alkaline phosphatases.

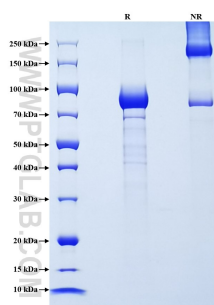
References

1. Sogabe N, et al. (2008). Biomed Res. 29(4):213-9.
2. Fukushi-Irié M, et al. (2000). Biochem J. 15;348 Pt 3(Pt 3):633-42.

Synonyms

Akp2, Akp-2, Alkaline phosphatase 2, Alkaline phosphatase liver/bone/kidney isozyme, Alkaline phosphatase, tissue-nonspecific isozyme

Selected Validation Data



Purity of Recombinant Mouse ALPL was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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