

For Research Use Only

Recombinant Mouse ALPL protein (rFc Tag)



Catalog Number: Eg2714

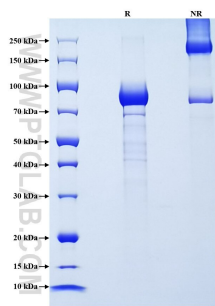
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse ALPL protein Phe18-Gly501 (Accession# P09242) with a rabbit IgG Fc tag at the C-terminus. GeneID: 11647 Accession: 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		

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

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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.