

Mouse PLD4 Protein

Cat. No. PLD-MM104

Description

Source	Recombinant Mouse PLD4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln58-Trp503.
Accession	Q8BG07-1
Molecular Weight	The protein has a predicted MW of 51 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

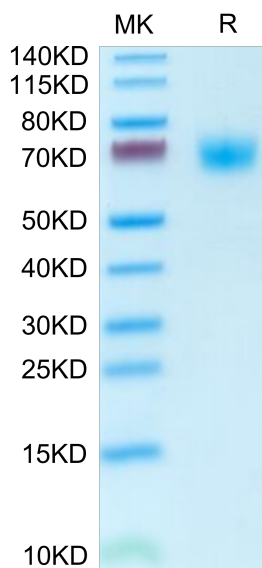
Formulation	Lyophilized from 0.22µm filtered solution in 50mM MES, 100mM NaCl (pH 6.0). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 50mM MES, 100mM NaCl (pH 6.0).
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Phospholipase D4 (PLD4) is a newly identified protein expressed in microglia. the expression of PLD4 was located in macrophages in the colon cancer mesenchymal and lymph nodes as shown by immunohistochemical analysis. furthermore, its expression was associated with clinical staging of colon cancer. Then, THP-1 as a cell model induced into TAMs. PLD4 could be involved in the activation process of M1 phenotype macrophages.

Assay Data

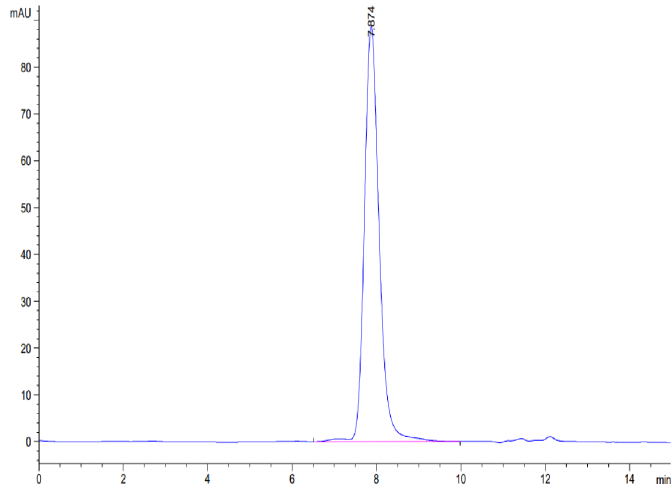
Bis-Tris PAGE



Mouse PLD4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse PLD4 is greater than 95% as determined by SEC-HPLC.