

Mouse Integrin alpha L beta 2 (ITGAL&ITGB2) Heterodimer Protein, Ultra Low Endotoxin



Cat. No. ITG-MM1LB-UL

Description

Source	Recombinant Mouse Integrin alpha L beta 2 (ITGAL&ITGB2) Heterodimer Protein is expressed from HEK293 with His tag at the C-Terminus of ITGAL. It contains Tyr24-His1087 (ITGAL) acidic tail and Gln24-Asn702 (ITGB2) basic tail.
Accession	P24063-1(ITGAL)&P11835(ITGB2)
Molecular Weight	The protein has a predicted MW of 123.30 kDa (ITGAL) and 79.60 kDa (ITGB2). Due to glycosylation, the protein migrates to 160-180 kDa (ITGAL) and 90-105 kDa (ITGB2) based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

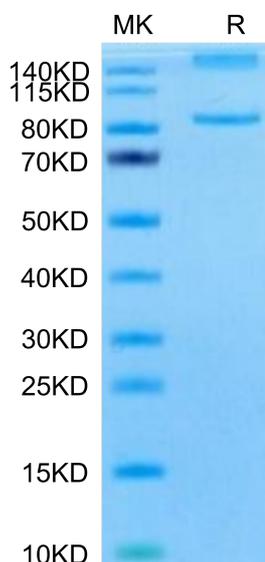
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Integrin $\alpha\text{L}\beta\text{2}$ is one member of the integrin family and also called leukocyte function-associated antigen-1 (LFA-1). It is widely expressed on T lymphocytes and controls the function and, in particular, the migration of immune cells[1]. Active $\alpha\text{L}\beta\text{2}$ can bind ICAM1/CD54, ICAM2, ICAM3 and JAM1[2].

Assay Data

Bis-Tris PAGE



Mouse ITGAL&ITGB2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

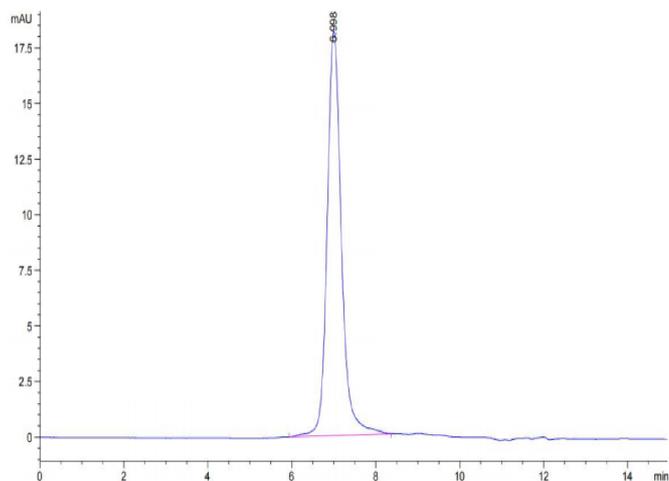
SEC-HPLC

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Assay Data



The purity of Mouse ITGAL&ITGB2 is greater than 95% as determined by SEC-HPLC.