Recombinant Mouse Integrin alpha L beta 2 (ITGAL&ITGB2) Heterodimer Protein

Catalog No.: RP03160

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Sequence Information

Species	Gene ID
Mouse	16408 & 16414

Swiss Prot	Tags
P24063-1(ITGAL) &P11835(ITGB2)	C-His

Synonyms
αLβ2; ITGAL&ITGB2; ITGAL; ITGB2

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
123.30 kDa	160-180 kDa (ITGAL)&90-105 kDa(ITGB2)

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Integrin αLβ2 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. Active αLβ2 can bind ICAM1/CD54, ICAM2, ICAM3 and JAM1.

Basic Information

Description
Recombinant Mouse Integrin alpha L beta 2 (ITGAL&ITGB2) Heterodimer Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (P24063-1(ITGAL)&P11835(ITGB2)) of Mouse Integrin alpha L beta 2 (LFA-1) Heterodimer (Accession #P24063-1(ITGAL) &P11835(ITGB2)) fused with and his tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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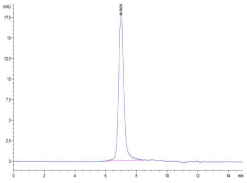
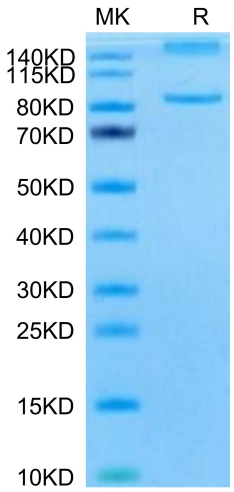
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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



Recombinant Mouse Integrin alpha L beta 2 (ITGAL&ITGB2) Heterodimer Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.