Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Recombinant Mouse LAIR-1/CD305 Protein

Catalog No.: RP02669 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	52855	Q8BG84-1

Tags
C-His

Synonyms
CD305; HLAIR1; LAIR1; LAIR-1

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE> 95% as determined by HPLC

Endotoxin
Less than 1EU per μg by the LAL method.

Formulation

Reconstitution
Centrifuge the tube 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.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

LAIR1 (leukocyte-associated Ig-like receptor-1, designated CD305) is an approximately 40 kDa type I transmembrane inhibitory glycoprotein belonging to the Ig superfamily.LAIR1 functions as an inhibitory receptor that plays a constitutive negative regulatory role on cytolytic function of natural killer (NK) cells, B-cells and T-cells. Activation by Tyr phosphorylation results in recruitment and activation of the phosphatases PTPN6 and PTPN11. It also reduces the increase of intracellular calcium evoked by B-cell receptor ligation.

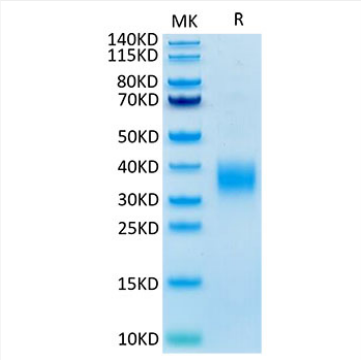
Basic Information

Description
Recombinant Mouse LAIR-1/CD305 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln22-Tyr141) of mouse LAIR-1/CD305 (Accession #Q8BG84-1) fused with His tag at the C-terminus.

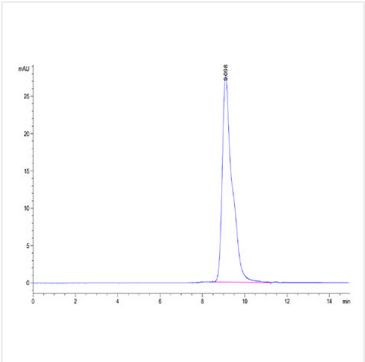
Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Mouse LAIR1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



The purity of Mouse LAIR1 is greater than 95% as determined by SEC-HPLC.