

Datasheet for ABIN7275122

LAIR1 Protein (AA 22-141) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LAIR1
Protein Characteristics:	AA 22-141
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAIR1 protein is labelled with His tag.

Product Details

Purpose:	Mouse LAIR1/CD305 Protein
Sequence:	Gln22-Tyr141
Characteristics:	Recombinant Mouse LAIR1/CD305 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln22-Tyr141.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	LAIR1
Alternative Name:	LAIR1 (LAIR1 Products)

Target Details

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.
Molecular Weight:	14.6 kDa. Due to glycosylation, the protein migrates to 30-42 kDa based on Tris-Bis PAGE result.

Application Details

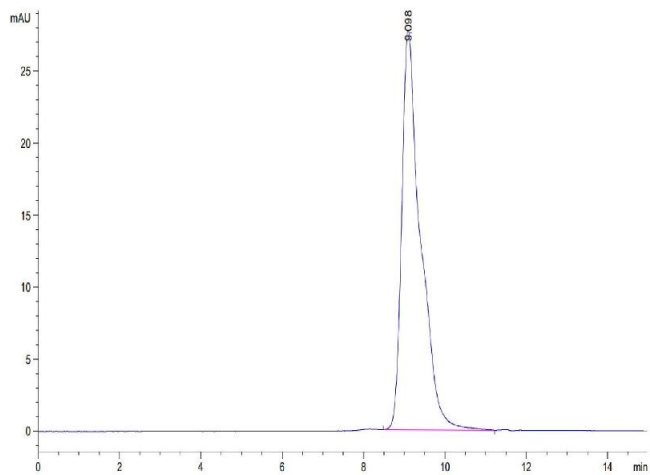
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-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.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse LAIR1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse LAIR1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

