

Datasheet for ABIN7275119

**LAIR1 Protein (AA 22-163) (His-Avi Tag,Biotin)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	LAIR1
Protein Characteristics:	AA 22-163
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAIR1 protein is labelled with His-Avi Tag,Biotin.

## Product Details

Purpose:	Biotinylated Human LAIR1/CD305 Protein
Sequence:	Gln22-His163
Characteristics:	Recombinant Biotinylated Human LAIR1/CD305 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gln22-His163.
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.
Biological Activity Comment:	Immobilized Biotinylated Human LAIR1, His Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-LAIR1 Antibody, hFc Tag with the EC50 of 7.3ng/ml determined by ELISA. See testing image for detail.

## Target Details

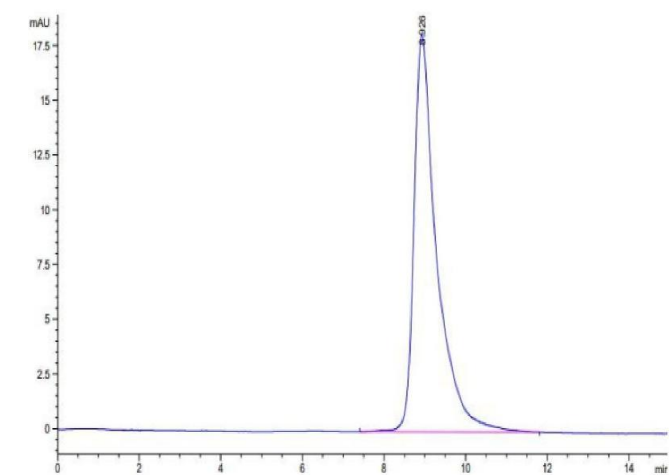
Target:	LAIR1
Alternative Name:	LAIR1 ( <a href="#">LAIR1 Products</a> )
Background:	LAIR1 (leukocyte-associated Ig-like receptor-1, designated CD305) is an approximately 40 kDa type I transmembrane inhibitory glycoprotein belonging to the Ig superfamily. LAIR1 functions as an inhibitory receptor that 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:	18.2 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Tris-Bis PAGE result.

## Application Details

Restrictions:	For Research Use only
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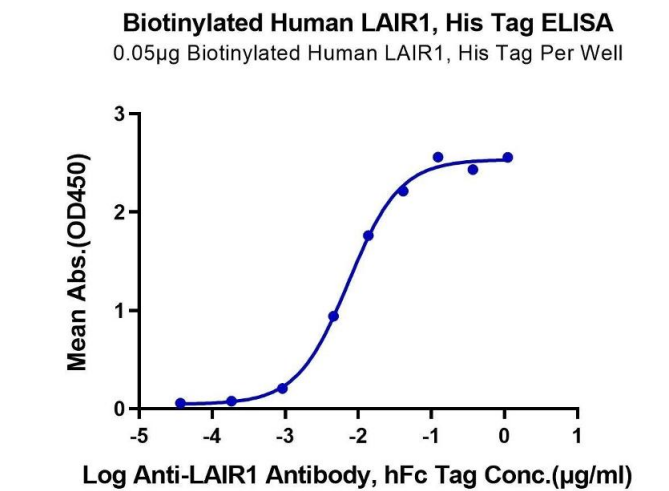
## Handling

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



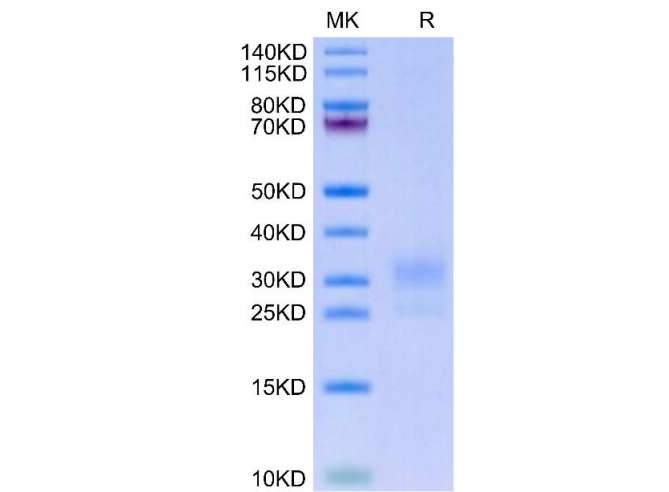
Size-exclusion chromatography-High Pressure Liquid Chromatography

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



ELISA

**Image 2.** Immobilized Biotinylated Human LAIR1, His Tag at 0.5 µg/mL (100 µL/Well) on streptavidin (5 µg/mL) precoated plate. Dose response curve for Anti-LAIR1 Antibody, hFc Tag with the EC50 of 7.3 ng/mL determined by ELISA.



SDS-PAGE

**Image 3.** Biotinylated Human LAIR1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .