

Datasheet for ABIN7275118

LAIR1 Protein (AA 22-163) (His-Avi Tag)**4** 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.

Product Details

Purpose:	Human LAIR1/CD305 Protein
Sequence:	Gln22-His163
Characteristics:	Recombinant 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 Human LAIR1, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-LAIR1 Antibody, hFc Tag with the EC50 of 5.0ng/ml determined by ELISA. The affinity constant of 0.082 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	LAIR1
Alternative Name:	LAIR1 (LAIR1 Products)
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 30-36 kDa based on Tris-Bis PAGE result.

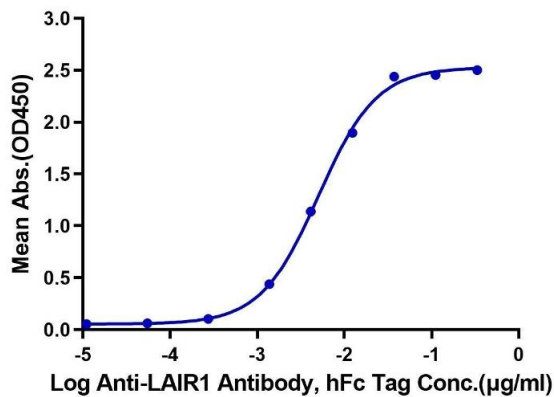
Application Details

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

Human LAIR1, His Tag ELISA
0.05µg Human LAIR1, His Tag Per Well



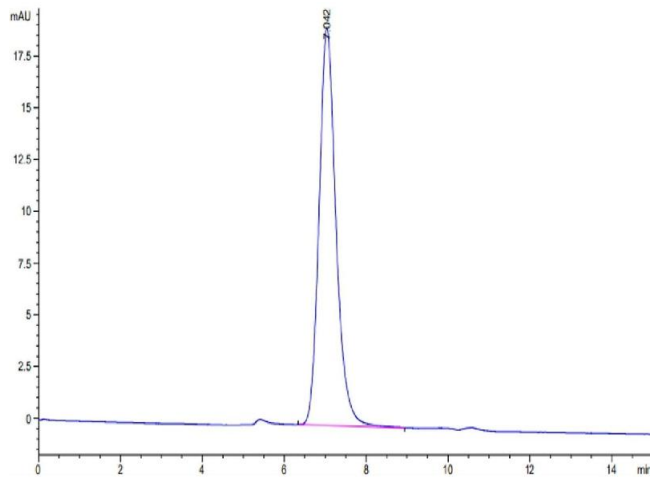
ELISA

Image 1. Immobilized Human LAIR1, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-LAIR1 Antibody, hFc Tag with the EC50 of 5.0 ng/mL determined by ELISA.



SDS-PAGE

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



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human LAIR1 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275118.