

Datasheet for ABIN7275117

LAIR1 Protein (AA 22-163) (Fc 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 Fc Tag.

Product Details

Purpose:	Human LAIR1/CD305 Protein
Sequence:	Gln22-His163
Characteristics:	Recombinant Human LAIR1/CD305 Protein is expressed from HEK293 with hFc 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 Collagen I, No Tag at 2µg/ml (50µl/well) on the plate. Dose response curve for Human LAIR1, hFc Tag with the EC50 of 1.17µg/ml determined by ELISA. See testing image for detail.

Target Details

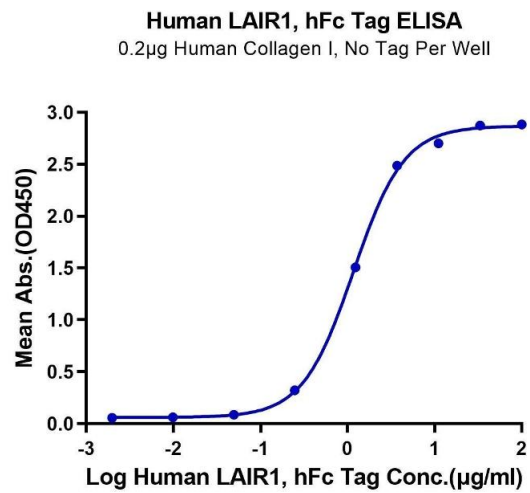
Target:	LAIR1
Alternative Name:	LAIR1 (LAIR1 Products)
Background:	LAIR1 (leukocyte-associated Ig-like receptor-1, designated CD305) is an approximately 40 kDa type I transmembrane inhibitory glycoprotein belonging to the Ig superfamily. LAIR1 functions as an inhibitory receptor that plays a constitutive 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:	42.4 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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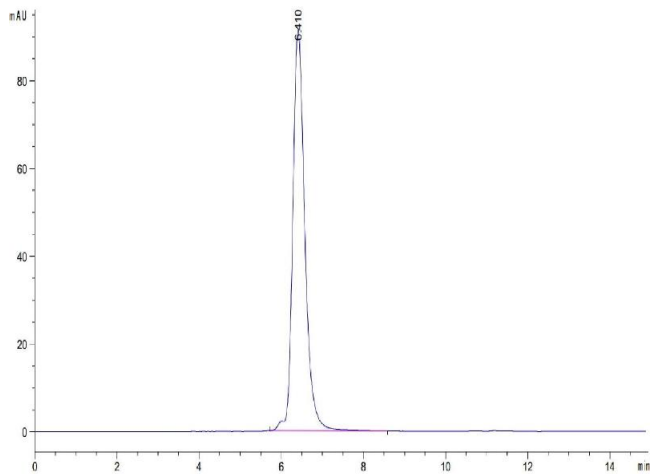
Handling

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



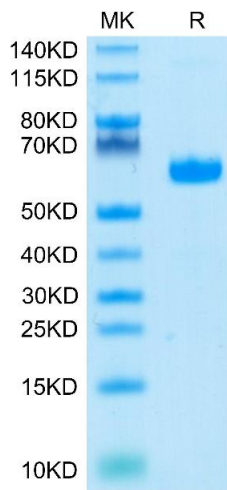
ELISA

Image 1. Immobilized Human Collagen I, No Tag at 2 µg/mL (50 µL/well) on the plate. Dose response curve for Human LAIR1, hFc Tag with the EC50 of 1.17 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human LAIR1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

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

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275117.