Biotinylated Human LAIR1/CD305 Protein

ϗͶϲϿ·ႮႽ

Cat. No. LAI-HM4R1B

Description	
Source	Recombinant Biotinylated Human LAIR1/CD305 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains GIn22-His163.
Accession	Q6GTX8-1
Molecular Weight	The protein has a predicted MW of 18.2 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
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.

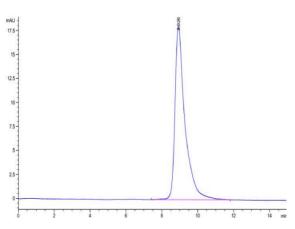
Assay Data





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

SEC-HPLC



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

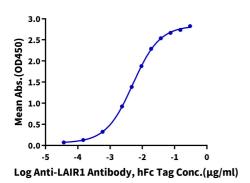
Biotinylated Human LAIR1/CD305 Protein

Cat. No. LAI-HM4R1B

Assay Data

ELISA Data

Biotinylated Human LAIR1, His Tag ELISA 0.1µg Biotinylated Human LAIR1, His Tag Per Well



Immobilized Biotinylated Human LAIR1, His Tag at 1 μ g/ml (100 μ l/Well) on streptavidin (5 μ g/ml) precoated plate. Dose response curve for Anti-LAIR1 Antibody, hFc Tag with the EC50 of 5.1ng/ml determined by ELISA (QC Test).

ᠺ᠕ᡗ᠋ᠴ᠊᠐᠍᠋᠋