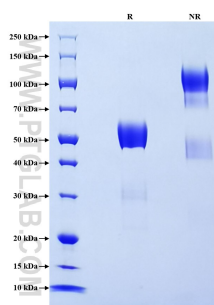


Recombinant Human LAIR1 protein (rFc Tag)

Catalog Number: Eg2329

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human LAIR1 protein Gln22-His163 (Accession# Q6GTx8-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GenID: 3903</p> <p>Accession: Q6GTx8-1</p> <p>Predicted Molecular Mass: 41.8 kDa</p> <p>SDS-PAGE: 45-60 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Leukocyte-associated immunoglobulin-like receptor 1 (LAIR1) is a transmembrane glycoprotein with a single immunoglobulin-like domain and a cytoplasmic tail containing two immune receptor tyrosine-based inhibitory motifs. LAIR1 is expressed on the majority of human PBMCs, including NK, T, B, monocytes, and dendritic cells, as well as the majority of thymocytes. It functions as an inhibitory receptor that plays a constitutive negative regulatory role on cytolytic function of NK cells, B cells and T cells. LAIR1 is a collagen receptor. Tumor-expressed collagens can modulate immune cell function through the inhibitory collagen receptor LAIR1.</p>		
References	<ol style="list-style-type: none">1. Meyaard L. et al. (1997) Immunity. 7(2):283-290.2. Meyaard L. et al. (1999) J Immunol. 162(10):5800-5804.3. Lebbink RJ. et al. (2006) J Exp Med. 203(6):1419-1425.4. Rygiel TP. et al. (2011) Mol Immunol. 49(1-2):402-406.		
Synonyms	CD305, hLAIR1, LAIR 1, LAIR-1, Leukocyte-associated immunoglobulin-like receptor 1		

Selected Validation Data



Purity of Recombinant Human LAIR1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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