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Datasheet for ABIN5955001

LILRA2 Protein (AA 24-449) (His tag,AVI tag,Biotin)

2 Images

Overview

Quantity:	200 µg
Target:	LILRA2
Protein Characteristics:	AA 24-449
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LILRA2 protein is labelled with His tag,AVI tag,Biotin.

Product Details

Sequence:	AA 24-449
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	LILRA2
Alternative Name:	LILRA2 (LILRA2 Products)
Background:	LILRA2 (Leukocyte immunoglobulin like receptor A2), also known as CD85H and LIR7

Target Details

(Leukocyte immunoglobulin-like receptor 7). It belongs to the subfamily A class of LIR receptors (LILRAs), which are single-pass type I transmembrane proteins with 2-4 extracellular Ig-like domains, a transmembrane domain (TM), and a short cytoplasmic tail. LILRA2 contains 4 Ig-like C2 type domains in the extracellular region. LILRA2 does not bind class I MHC antigens. LILRA2 is expressed predominantly on monocytes and B cells, and at lower levels on dendritic cells and natural killer cells. LILRA2 is an activating receptor that inhibits dendritic cell differentiation and antigen presentation and suppresses innate immune response.

Molecular Weight: 50.7 kDa

UniProt: [Q8N149](#)

Application Details

Comment: Ready-to-use AvitagTM biotinylated protein:
The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

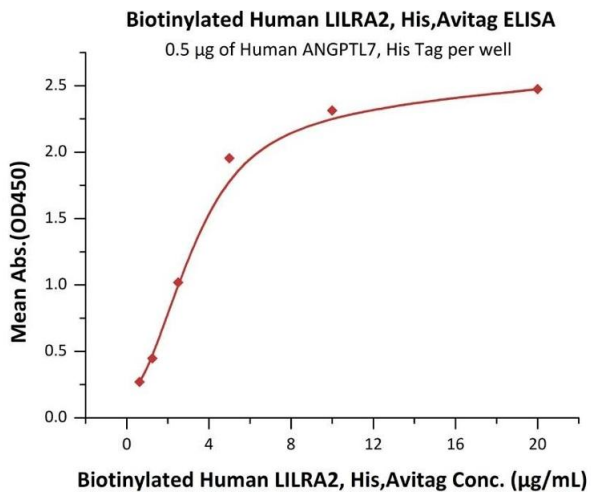
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

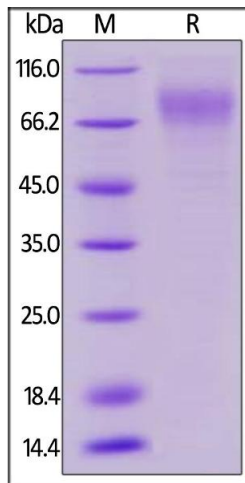
Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



ELISA

Image 1. Immobilized Human ANGPTL7, His Tag (ABIN5526615,ABIN6809995) at 5 µg/mL (100 µL/well) can bind Biotinylated Human LILRA2, His,Avitag (ABIN5955001,ABIN6253613) with a linear range of 0.625-5 µg/mL (QC tested).



SDS-PAGE

Image 2. Biotinylated Human LILRA2, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .