

RP02569B

Leader in Biomolecular Solutions for Life Science



# Biotinylated Recombinant Human LAIR-2/CD306 Protein

Catalog No.: RP02569B

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3904	Q6ISS4-1

### Tags

C-His&Avi

### Synonyms

LAIR-2; CD306; LAIR2; MGC71634;  
XXbac-BCX535A19.6

## Product Information

### Source

### Purification

≥ 95 % as  
determined by  
Tris-Bis PAGE; ≥ 95  
% as determined  
by HPLC.

### Endotoxin

< 1 EU/μg of the protein by LAL  
method.

### Formulation

Lyophilized from a 0.22 μm filtered  
solution of PBS, pH 7.4. Normally 8%  
trehalose is added as protectant  
before lyophilization. Contact us for  
customized product form or  
formulation.

### Reconstitution

Centrifuge the tube before opening.  
Reconstitute to a concentration of  
0.1-0.5 mg/mL in sterile distilled water.  
Avoid vortex or vigorously pipetting  
the protein. For long term storage, it is  
recommended to add a carrier protein  
or stabilizer (e.g. 0.1% BSA, 5% HSA,  
10% FBS or 5% Trehalose), and aliquot  
the reconstituted protein solution to  
minimize free-thaw cycles.

## Background

The leukocyte-associated immunoglobulin-like receptor 2 (LAIR2) shows increased expression during pregnancy and its reduced expression is associated with pregnancy complications. Although LAIR2 was expressed in the human placenta villus and decidua in the first trimester of pregnancy, it was not expressed in mouse tissues. Knockdown of LAIR2 markedly improved cell viability and inhibited the invasive ability of HTR8/SVneo cells.

## Basic Information

### Description

Biotinylated Recombinant Human LAIR2/CD306 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. ; It contains Gln22-Pro152.

### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.  
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Contact

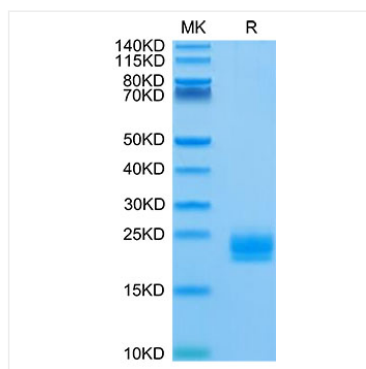
---



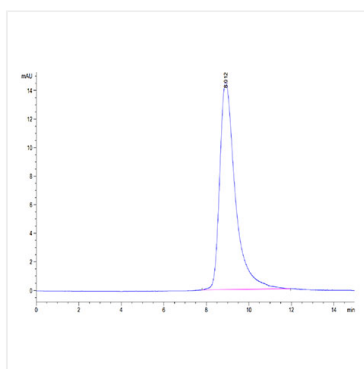
[www.abclonal.com](http://www.abclonal.com)

---

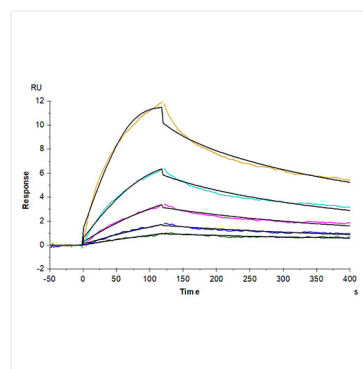
## Validation Data



Biotinylated Recombinant Human LAIR-2/CD306 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human LAIR2 is greater than 95% as determined by SEC-HPLC.



Biotinylated Human LAIR2, His-Avi Tag immobilized on CM5 Chip can bind Native Human Collagen I, No Tag with an affinity constant of 1.80 nM as determined in SPR assay (Biacore T200).