

**Synonym**

LAIR2,CD306

Source

Biotinylated Human LAIR-2, His,Avitag(LA2-H82E4) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Pro 152 (Accession # [Q6ISS4-1](#)).
Predicted N-terminus: Gln 22

Molecular Characterization

| | | |
|--------------------------------------|----------|-----|
| LAIR-2(Gln 22 - Pro 152) Q6ISS4-1 | Poly-his | Avi |
|--------------------------------------|----------|-----|

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 17.8 kDa. The protein migrates as 20-25 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

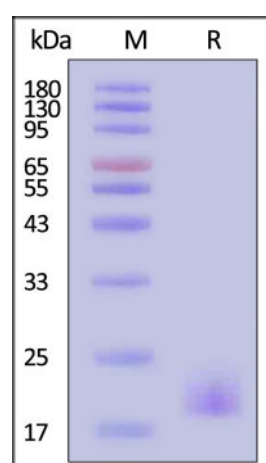
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

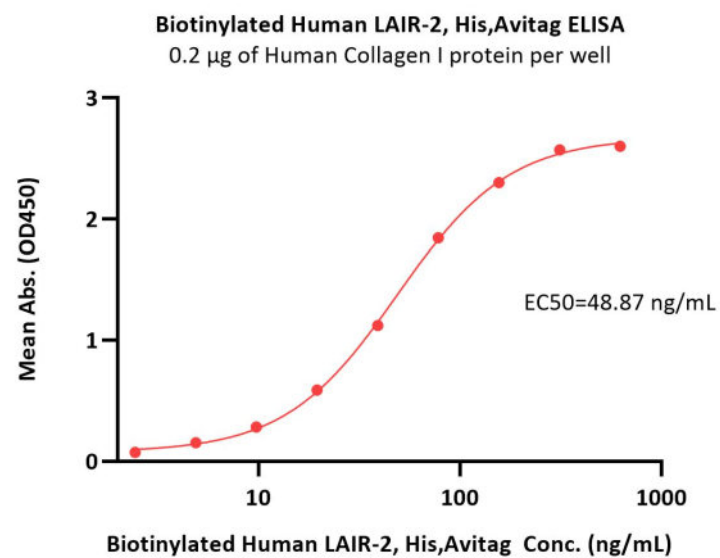
SDS-PAGE

Biotinylated Human LAIR-2, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

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Immobilized Human Collagen I protein at 2 µg/mL (100 µL/well) can bind Biotinylated Human LAIR-2, His,Avitag (Cat. No. LA2-H82E4) with a linear range of 2-78 ng/mL (QC tested).

Background

Leukocyte-associated immunoglobulin-like receptor 2 (LAIR2) is also known as CD antigen CD306. LAIR2 contains one Ig-like C2-type (immunoglobulin-like) domain. LAIR2 is a member of the immunoglobulin superfamily and was identified by its similarity to LAIR1, an inhibitory receptor present on mononuclear leukocytes. LAIR2 / CD306 is thought to be secreted and may help modulate mucosal tolerance.

Clinical and Translational Updates

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