

Recombinant Human LAIR2 protein, His-tagged

Cat. No. LAIR2-209H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LAIR2 (Gln22-Pro152) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Gln22-Pro152
Description	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.
Predicted N Terminal	Gln22
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 14.9 kDa. The protein migrates as 19-23 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage

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

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

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

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

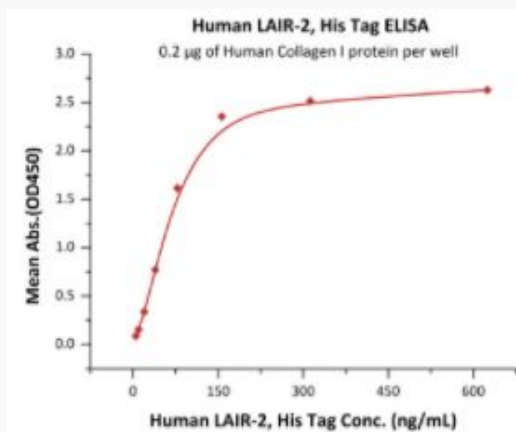
Gene Name	LAIR2
Official Symbol	LAIR2
Synonyms	LAIR2; leukocyte-associated immunoglobulin-like receptor 2; leukocyte associated Ig like receptor 2; CD306; LAIR-2; leukocyte-associated Ig-like receptor 2; leukocyte-associated Ig-like receptor-2; MGC71634
Gene ID	3904
mRNA Refseq	NM_002288
Protein Refseq	NP_002279
MIM	602993
UniProt ID	Q6ISS4

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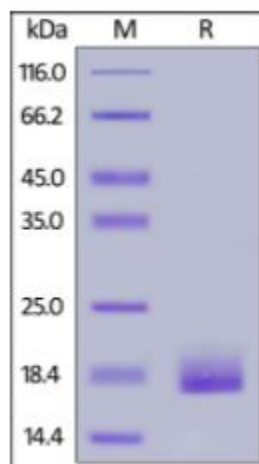
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Bioactivity-ELISA of LAIR2-209H



Immobilized Human Collagen I protein at 2 µg/mL (100 µL/well) can bind Human LAIR-2, His Tag with a linear range of 5-78 ng/mL (QC tested).

SDS-PAGE of LAIR2-209H



Human LAIR-2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.