Recombinant Human LAIR-2/CD306 Protein

Catalog No.: RP01034

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Sequence Information

Species
Human

Gene ID
3904

Swiss Prot
Q6ISS4

Tags
C-His

Synonyms
LAIR2,CD306

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
14.91 kDa

Observed MW
15-25 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Leukocyte-associated immunoglobulin-like receptor 2 (LAIR2), also known as CD36, is a 131 amino acid protein containing one Ig-like C2-type domain, making it a member of the Ig superfamily. When compared to LAIR-1, its transmembrane counterpart, it shares 83% aa identity across the signal sequence and extracellular domains, the two LAIR proteins are thought to have arisen from a common gene ancestor and appear to share similar adhesion profiles. LAIR2 is thought to be secreted and may help modulate mucosal tolerance. As a natural competitor for LAIR1, soluble LAIR2 prevents binding of human LAIR1 to collagens and LAIR1 cross-linking, thereby regulating its inhibitory potential. LAIR2 is thought to be secreted and may help modulate mucosal tolerance.

Basic Information

Description
Recombinant Human LAIR-2/CD306 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln22-Pro152) of human LAIR2 (Accession #NP_002279) fused with a 6×His tag at the C-terminus.

Activity
Measured by the ability of the immobilized protein to support the adhesion of HT-29 human colon adenocarcinoma cells. When 5 x 104 cells/well are added to rhLAIR-2 coated plates (50 μg/mL with 100 μL/well), approximately 50% -60% will adhere after 10 minutes at 37℃.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

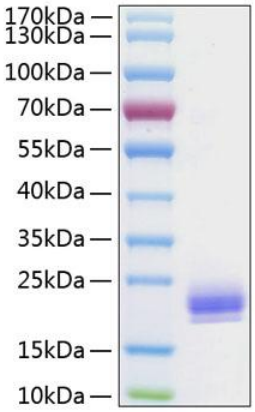
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human LAIR-2/CD306 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.