

Recombinant human LAIR1 protein

Catalog Number: LAR3001

PRODUCT INFORMATION

Expression system

E.coli

Domain

22-125aa

UniProt No.

Q6GTX8

NCBI Accession No.

NP_002278

Alternative Names

Leukocyte-associated immunoglobulin-like receptor 1 isoform a, Lair1, LAIR-1 (Extracellular domain), LAIR-1, mLAIR1, CD305 antigen, Leukocyte-associated immunoglobulin-like receptor 1, Leukocyte-associated immunoglobulin-like receptor 1 isoform a 5133400O11Rik, CD305, D7Bwg0421e, LAIR 1, LAIR1 protein, Leukocyte associated Ig like receptor 1, Leukocyte associated immunoglobulin like receptor 1,

PRODUCT SPECIFICATION

Molecular Weight

11.7 kDa (105aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 50mM NaCl, 1mM EDTA

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

LAIR-1 is a glycoprotein (~32kDa) expressed on the surface of the majority of human peripheral blood mononuclear leukocytes including T cells, B cells, NK cells, macrophages and dendritic cells. LAIR-1 functions as an inhibitory receptor in NK cells, T cells and B cells. Lair-1 consists of a leader sequence, extracellular domain,

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transmembrane domain, cytoplasmic region. The extracellular domain of LAIR-1 (22-125aa) was overexpressed in E. coli, and purified by using conventional chromatography techniques.

Amino acid Sequence

MQEEDLPRPS ISAEPGTVIP LGSHVTFVCR GPVGVQTFRL ERESRSTYND TEDVSQASPS ESEARFRIDS VSEGNAGPYR
CIYYKPPKWS EQSDYLELLV KETSG

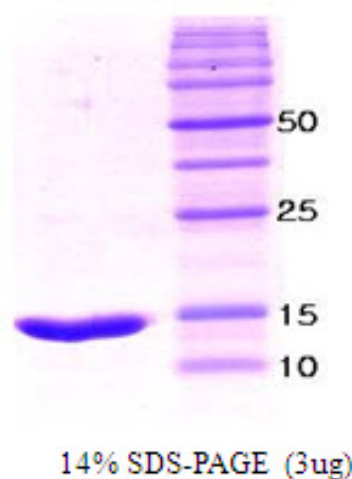
General References

Sathish JG., et al. (2001) J Immunol. 166(3):1763-70.

Meyaard L., et al. (1999) J. Immunol. 162, 5800-4.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.