

LAIR-1(Extracellular domain ; 22-125aa, human), Recombinant, E.coli

Cat.NO.: TP02773

3th Edition

Synonyms:Leukocyte-associated immunoglobulin-like receptor 1 isoform a, LAIR1, CD305

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

Form:Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 50 mM NaCl 11 mM EDTA

Molecular Weight:11.7 kDa (105 aa), confirmed by MALDI-TOF

Sequences:

MQEEDLPRPSISAEPGTVIPLGSHVTFVCRGPVGVQTFRLERESRSTYNDTEDVSQASPSESEARFRIDSVSEGNA
GPYRCIYYKPPKWSEQSDYLELLVKETSG

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.