

Recombinant Human LAIR1

Cat. No. LAIR1-29001TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to extracellular amino acids 22-125 of Human LAIR1, MW 11.7 kDa.
Species	Human
Source	E.coli
ProteinLength	22-125 a.a.
Description	The protein encoded by this gene is an inhibitory receptor found on peripheral mononuclear cells, including NK cells, T cells, and B cells. Inhibitory receptors regulate the immune response to prevent lysis of cells recognized as self. The gene is a member of both the immunoglobulin superfamily and the leukocyte-associated inhibitory receptor family. The gene maps to a region of 19q13.4 called the leukocyte receptor cluster, which contains at least 29 genes encoding leukocyte-expressed receptors of the immunoglobulin superfamily.
Tissue specificity	Expressed on the majority of peripheral mononuclear cells, including natural killer (NK) cells, T-cells, B-cells, monocytes, and dendritic cells. Highly expressed in naive T-cells and B-cells but no expression on germinal center B-cells. Abnormally low ex
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 50mM Sodium chloride, 20mM Tris HCl, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MQEEDLPRPS ISAEPGTVIP LGSHVTFVCR GPVGVQTFRL ERESRSTYND TEDVSQASPSESEARFRIDS VSEGNAGPYR CIYYKPPKWS EQSDYLELLV KETSG
Sequence Similarities	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

GENE INFORMATION

Gene Name	LAIR1 leukocyte-associated immunoglobulin-like receptor 1 [Homo sapiens]
Official Symbol	LAIR1
Synonyms	LAIR1; leukocyte-associated immunoglobulin-like receptor 1; leukocyte associated Ig like receptor 1; CD305;
Gene ID	3903
mRNA Refseq	NM_002287
Protein Refseq	NP_002278
MIM	602992
Uniprot ID	Q6GTX8
Chromosome Location	19q13.4

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Function	protein binding; receptor activity;
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