9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LAIR1 Mouse

Leukocyte-Associated Ig-Like Receptor 1 Mouse Recombinant
RCP1214

Product Overview

Name	LAIR1 Mouse

Description

Leukocyte-Associated Ig-Like Receptor 1 Mouse Recombinant

Accession (Primary)	Q8BG84

Synonyms

Leukocyte-associated immunoglobulin-like receptor 1, LAIR-1, mLAIR1, CD305, LAIR1.

Introduction

LAIR1 is a glycoprotein 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. Inhibitory receptors control the immune response to prevent lysis of cells recognized as self. Lair1 consists of a leader sequence, extracellular domain, transmembrane domain, cytoplasmic region. LAIR1 is a member of both the immunoglobulin superfamily and the leukocyte-associated inhibitory receptor family. LAIR1 maps to a region of 19q13.4 labeled the leukocyte receptor cluster, which contains at least 29 genes encoding leukocyte-expressed receptors of the immunoglobulin superfamily.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

LAIR1 protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

ADPQEGSLPD ITIFPNSSLM ISQGTFVTVV CSYSDKHDLY NMVRLEKDGS TFMEKSTEPY KTEDEFEIGP VNETITGHYS CIYSKGITWS ERSKTLELKV IKENVIQTPA PGPTSDTSWL KTYSIY HHHH HH

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Precautions

LAIR1 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8BG84)