

PRODUCT INFORMATION

LAIR1 **Target**

Synonyms CD305;LAIR-1

Recombinant Human LAIR1 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** Q6GTX8 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Storage & Shipping

Background

LAIR1(Gln22-His163) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

41.6 kDa after removal of the signal peptide. The apparent molecular mass of LAIR1-hFc is

approximately 35-70 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is an inhibitory receptor found on peripheral mononuclear cells, including natural killer 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. The encoded protein has been identified as an anchor for tyrosine phosphatase SHP-1, and may induce cell death in myeloid leukemias. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

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Research use only Usage

Conjugate Unconjugated





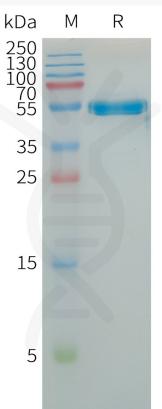
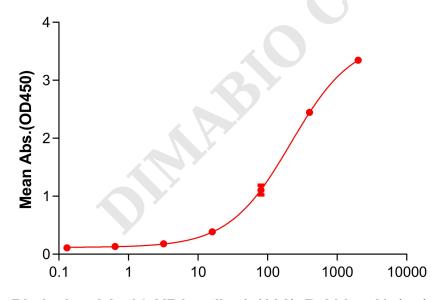


Figure 1.Human LAIR1 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human LAIR1 Protein, hFc Tag ELISA

1μg of Human LAIR1, hFc tagged protein per well



Biotinylated Anti-LAIR1 antibody(1A2), Rabbit mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 10 μ g/mL (100 μ L/well) Human LAIR1 Protein, hFc tag (PME101252) can bind Biotinylated Anti-LAIR1 antibody(1A2), Rabbit mAb (DME101185B)in a linear range of 80-400 ng/mL .

