

## PRODUCT INFORMATION

<b>Target</b>	LAIR1
<b>Synonyms</b>	CD305;LAIR-1
<b>Description</b>	Recombinant Human LAIR1 Protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q6GTX8
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	LAIR1(Gln22-His163) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 41.6 kDa after removal of the signal peptide. The apparent molecular mass of LAIR1-hFc is approximately 35-70 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	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.
<b>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated

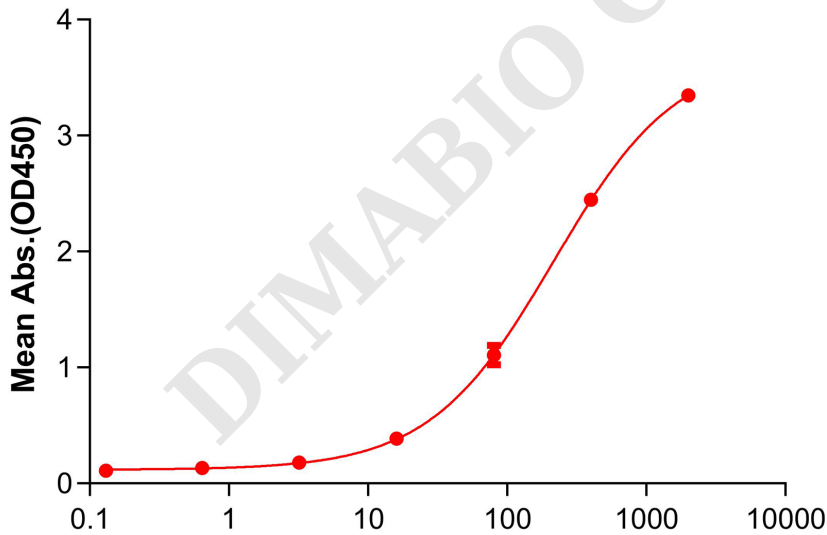




Figure 1. Human LAIR1 Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human LAIR1 Protein, hFc Tag ELISA

1  $\mu$ g 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  $\mu$ g/mL (100  $\mu$ 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 .

