

Cat # RP-879 Recombinant Human Leukocyte-Associated Ig-Like Receptor 1 **Size:** 2 ug

LAIR1 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. 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.

SOURCE:

LAIR1 Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing amino acids 105 and having a molecular mass of 11.5 kDa. The extracellular domain of LAIR-1 (22-125aa) was overexpressed in E.coli. The protein (1mg/ml) contains 20mM Tris-HCl (pH7.5) 50mM NaCl and 1mM EDTA.

APPLICATION AND SUGGESTED DILUTIONS:

Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

STORAGE & 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). If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4°C for ~ 1week or aliquots in suitable size and store at -20°C for long term storage.

USAGE:

This item is for LABORATORY RESEARCH USE ONLY.

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