

32-6140: Mouse Anti Human Leukocyte-Associated Ig-Like Receptor 1(Clone:Plc12AT.)

Clonality :	Monoclonal
Clone Name :	Plc12AT.
Application :	ELISA,WB ,IF
Gene :	LAIR1
Gene ID :	3903
Uniprot ID :	Q6GTX8
Format :	Purified
Alternative Name :	Leukocyte-associated immunoglobulin-like receptor 1,LAIR-1,hLAIR1,CD305 antigen,LAIR1,CD305.
Isotype :	Mouse IgG1 heavy chains and ? light chain.
Immunogen Information :	Anti-human LAIR1 mAb, is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human LAIR-1 amino acids 22-125 purified from E. coli.

Description

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. LAIR-1 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.

Product Info

Amount :	20 µg
Purification :	LAIR1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

LAIR1 antibody has been tested by ELISA, Western blot and immunofluorescent staining with flow cytometric analysis to assure specificity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.