

Product Datasheet

LAIR1 Antibody (9.1C3)

NBP2-44377-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44377-0.1mg

LAIR1 Antibody (9.1C3)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	9.1C3
Preservative	0.05% Sodium Azide
Isotype	IgG2 Kappa
Purity	Protein A or G purified
Buffer	10mM PBS and 0.05% BSA
Target Molecular Weight	40 kDa
Product Description	
Host	Mouse
Gene ID	3903
Gene Symbol	LAIR1
Species	Human
Specificity/Sensitivity	Recognizes a single protein of 40kDa, identified as the CD305 (LAIR1). It is an inhibitory receptor, expressed on the majority of peripheral mononuclear cells, including natural killer (NK) cells, T-cells, B-cells, monocytes, and dendritic cells. Highly expressed in naive T-cells and B-cells but no expression on germinal center B-cells. This MAb is expressed on CD34 positive hematopoietic progenitors. 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. LAIR1 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. This MAb is identical to LAIR-1, based on the fact that it not only precipitated a protein of 40kDa but it also binds specifically to LAIR-1 cDNA transfected COS7 cells as well as recognizes LAIR-1 fusion protein in ELISA. LAIR-1 expresses on hematopoietic progenitor, implicating its role in the regulation of hematopoiesis at early stage.
Immunogen	Human Lymphocytes and Large Granular Lymphocytes (LGL)
Product Application Details	
Applications	Flow Cytometry, Immunofluorescence
Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunofluorescence 0.5 - 1.0 ug/ml
Application Notes	Hu-chromosome location: 19q13.4 Inhibits NK & ALK Cell Mediated Cytolysis Use Ab without BSA & Azide; nhibits TNF-alpha secretion of NK cells Use Ab without BSA & Azide; nduces Colony Formation of Human Bone Marrow Cells Use Ab without BSA & Azide



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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