

Product Datasheet

LAIR1 Antibody (9.1C3) [Alexa Fluor® 594] NBP2-47800AF594

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-47800AF594

LAIR1 Antibody (9.1C3) [Alexa Fluor® 594]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	9.1C3
Preservative	0.05% Sodium Azide
Isotype	IgG2 Kappa
Conjugate	Alexa Fluor 594
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
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)

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Product Application Details	
Applications	Flow Cytometry, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunofluorescence
Application Notes	Optimal dilution of this antibody should be experimentally determined.



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA

Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada

Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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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