

Anti-Human CD305 (LAIR1) (NKTA255)



FITC	LAIRF-100T	100 test
PE	LAIRPE-100T	100 test
PerCP-Cyanine5.5	LAIRPP5.5-100T	100 test
APC	LAIRA-100T	100 test



1. PRODUCT DESCRIPTION

- **Clone:** NKTA255;
- **Isotype:** Mouse IgG1, kappa;
- **Tested application:** flow cytometry (QC testing);
- **Immunogen:** recombinant human LAIR-1 amino acids 22-125 purified from E. coli cells;
- **Species reactivity:** Human;
- **Storage instruction:** store in the dark at 2-8 °C;
- **Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN₃);
- **Recommended usage:** Immunostep's CD305, clone NKTA255, is a monoclonal antibody intended for the identification of Human CD305 also known as LAIR-1 (leukocyte-associated Ig-like receptor-1) a type I transmembrane glycoprotein expressed on NK cells, T cells, B cells, monocytes, dendritic cells, eosinophils, basophils and mast cells. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁶ cells;
- **Presentation:** liquid;
- **Source:** Supernatant proceeding from an in vitro cell culture of a cell hybridoma;
- **Purification:** Affinity chromatography;
- **Other names:** LAIR-1, LAIR1, Leukocyte-associated Ig-like receptor 1;
- **Gene ID:** 3903;
- **Molecular weight:** 40 kDa.

2. ANTIGEN DETAILS

Large description: This antibody reacts with LAIR-1 a type I transmembrane glycoprotein member of LAIR family in the Ig superfamily.

The expression of leukocyte-associated immunoglobulin-like receptor-1 (also known as LAIR1, LAIR-1 or CD305), an inhibitor of B-cell receptor-mediated signaling, has been reported to be lacking in high-risk chronic lymphocytic leukemia.⁽¹⁻³⁾

3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep disclaims hereby other warranties.

Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

4. ADDITIONAL INFORMATION

For research use only. Not for diagnostic use.

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Unless otherwise indicated by Immunostep by written authorization, this product is intended for research only and is not to be used for any other purpose, including without limitation, for human or animal diagnostic, therapeutic or commercial purposes.

Please, refer to www.immunostep.com technical support for more information.

5. REFERENCES

1. Poggi A, Pella N, Morelli L, Spada F, Revello V, Sivori S, Augugliaro R, Moretta L, Moretta A. p40, a novel surface molecule involved in the regulation of the non-major histocompatibility complex-restricted cytolytic activity in humans. *Eur J Immunol.* 1995 Feb;25(2):369-76. doi: 10.1002/eji.1830250210. PMID: 7875198.
2. Perbellini O, Falisi E, Giaretta I, Boscaro E, Novella E, Facco M, Fortuna S, Finotto S, Amati E, Maniscalco F, Montaldi A, Alghisi A, Aprili F, Bonaldi L, Paolini R, Scupoli MT, Trentin L, Ambrosetti A, Semenzato G, Pizzolo G, Rodeghiero F, Visco C. Clinical significance of LAIR1 (CD305) as assessed by flow cytometry in a prospective series of patients with chronic lymphocytic leukemia. *Haematologica.* 2014 May;99(5):881-7. doi: 10.3324/haematol.2013.096362. Epub 2014 Jan 10. PMID: 24415628; PMCID: PMC4008102.
3. Devin J, Kassambara A, Bruyer A, Moreaux J, Bret C. Phenotypic Characterization of Diffuse Large B-Cell Lymphoma Cells and Prognostic Impact. *J Clin Med.* 2019 Jul 22;8(7):1074. doi: 10.3390/jcm8071074. PMID: 31336593; PMCID: PMC6678649.

6. EXPLANATION OF SYMBOLS



Fluorochrome



Product reference



Content for <n> analysis



Regulatory Status



Research Use Only



Manufacturer

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