

TECHNICAL DATA SHEET

CyFlow™ CD305 PE **Anti-Hu; Clone NKTA255**

REF **AP854966**

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD305
Alternative Names	LAIR1, LAIR-1
Clone	NKTA255
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	Activated NK cells and CD3- thymocytes

Specificity

The mouse monoclonal antibody NKTA255 recognizes CD305 (LAIR1) antigen, a 40 kDa type I transmembrane glycoprotein expressed on NK, T, and B cells, monocytes, dendritic cells, eosinophils, basophils, mast cells, CD34+ hematopoietic progenitor cells and thymocytes.

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 10 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD305 (LAIR1; leukocyte-associated Ig-like receptor 1) is an inhibitory receptor found on many types of peripheral blood cells. It serves to suppress cell cytotoxicity, activation, proliferation, and differentiation regarding autoantigens via its two intracellular ITIM sites. CD305 belongs to the immunoglobulin superfamily and the leukocyte-associated inhibitory receptor family of proteins. It reacts with collagen ligands.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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