

TECHNICAL DATA SHEET

CyFlow™ CD305 Purified Anti-Hu; Clone NKTA255

REF CN864638

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	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
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

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 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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