

## Anti-Hu CD305 Purified LAIR1 Monoclonal Antibody

Catalog Number: M03470

### About LAIR1

CD305, also known as 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.

### Overview

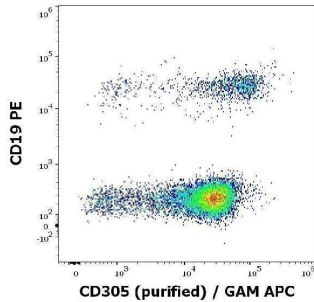
Product Name	Anti-Hu CD305 Purified LAIR1 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD305 Purified LAIR1 Monoclonal Antibody (Catalog# M03470). Tested in Flow Cytometry, IP, WB application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, WB
Clonality	Monoclonal NKTA255
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q6GTX8

### Technical Details

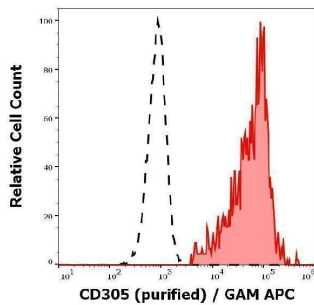
Immunogen	Activated NK cells and CD3- thymocytes. The mouse monoclonal antibody NKTA255 recognizes an extracellular epitope of CD305 / LAIR1, a 40 kDa type I transmembrane glycoprotein expressed on NK, T, and B cells, monocytes, dendritic cells, eosinophils, basophils, mast cells, CD34+ hematopoietic progenitor cells and thymocytes.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 1-4 ug/ml.



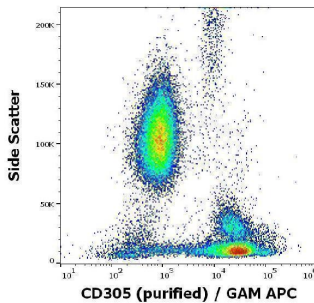
## Anti-Hu CD305 Purified LAIR1 Monoclonal Antibody (M03470) Images



Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD305 (NKTA255) purified antibody (concentration in sample 2 µg/ml, GAM APC) and anti-human CD19 (LT19) PE antibody (20 µl reagent / 100 µl of peripheral whole blood).



Separation of human CD305 positive CD19 positive B cells (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD305 (NKTA255) purified antibody (concentration in sample 2 µg/ml, GAM APC).



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD305 (NKTA255) purified antibody (concentration in sample 2 µg/ml, GAM APC).

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