

APC anti-human CD305 Recombinant Antibody

Catalog# / Size	332705 / 25 tests 332706 / 100 tests
Clone	QA19A19
Regulatory Status	RUO
Other Names	LAIR-1 (Leukocyte-associated Ig-like receptor 1)
Isotype	Mouse IgG1, κ
Description	CD305, also known as LAIR-1 (leukocyte-associated Ig-like receptor-1), is a 40 kD type I transmembrane glycoprotein. LAIR-1 and LAIR-2 are the only members of the LAIR family in the Ig superfamily. LAIR-1 is an inhibitory molecule characterized by ITIMs in the cytoplasmic domain and collagen ligands. CD305 is expressed on NK cells, T cells, B cells, monocytes, dendritic cells, eosinophils, basophils and mast cells. LAIR-1 functions in the inhibition of cell cytotoxicity, cell activation, proliferation and differentiation.

Product Details

Verified Reactivity	Human
Antibody Type	Recombinant
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Red Laser (633 nm)
Application Notes	Clone QA19A19 can completely block the binding of clone NKTA255 on target cells.
RRID	AB_3683349 (BioLegend Cat. No. 332705) AB_3683349 (BioLegend Cat. No. 332706)

Antigen Details

Structure	40 kD type I transmembrane protein, cytoplasmic domain contains ITIM motifs, Ig superfamily
Distribution	Expressed on epithelial and mesothelial cells
Function	NK cells, T cell, B cells, monocytes, dendritic cells, eosinophils, basophils and mast cells
Interaction	Human

Ligand/Receptor	Collagens
Cell Type	B cells, Basophils, Dendritic cells, Eosinophils, Macrophages, Mast cells, Monocytes, NK cells, T cells
Biology Area	Immunology, Inhibitory Molecules, Innate Immunity
Molecular Family	CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Meyaard L, et al. 2008. <i>J Leukoc Biol.</i> 83:799-803. 2. Lebbink RJ, et al. 2006. <i>J Exp Med.</i> 203:1419-25.
Gene ID	3903

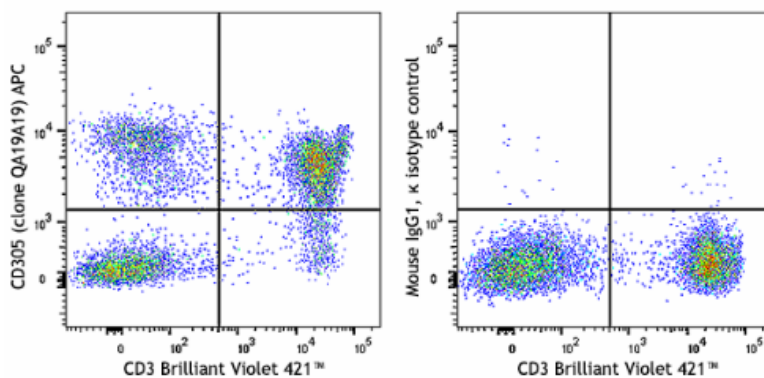
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD305 Recombinant Antibody, PE anti-human CD305 Recombinant Antibody, APC anti-human CD305 Recombinant Antibody

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD3 (clone UCHT1) Brilliant Violet 421™ and anti-human CD305 recombinant (clone QA19A19) APC (left) or mouse IgG1, κ APC isotype control (right).

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