

PE/Cyanine7 anti-human CD305 Recombinant Antibody

Catalog# / Size	332707 / 25 tests 332708 / 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 PE/Cyanine7 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 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Clone QA19A19 can completely block the binding of clone NKTA255 on target cells.
RRID	AB_3720566 (BioLegend Cat. No. 332707) AB_3720566 (BioLegend Cat. No. 332708)

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	1. Meyaard L, <i>et al.</i> 2008. <i>J Leukoc Biol.</i> 83:799-803. 2. Lebbink RJ, <i>et al.</i> 2006. <i>J Exp Med.</i> 203:1419-25.
Gene ID	3903

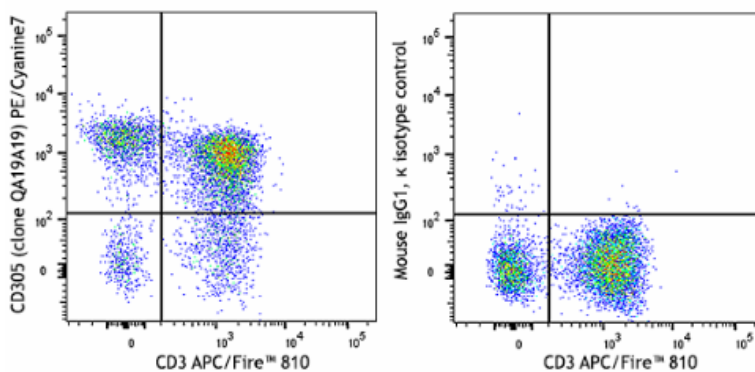
Related Protocols

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

Other Formats

Purified anti-human CD305 Recombinant Antibody, PE anti-human CD305 Recombinant Antibody, PE/Cyanine7 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) APC/Fire™ 810 and anti-human CD305 recombinant (clone QA19A19) PE/Cyanine7 (left) or mouse IgG1, κ PE/Cyanine7 isotype control (right).

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