

Mouse CD314 Monoclonal Antibody | anti-CD314 antibody

MOUSE ANTI HUMAN CD314:FITC

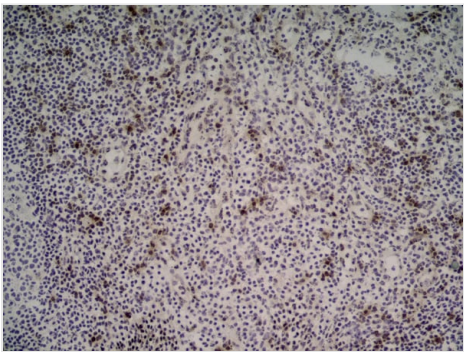
CATALOG # AAA11874	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

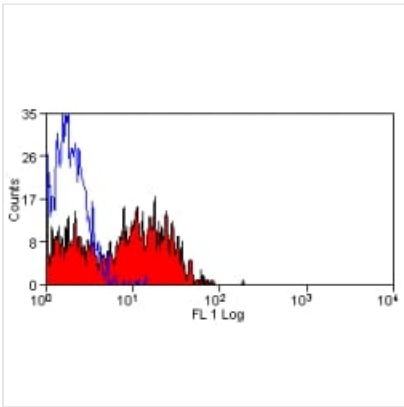
CD314; Monoclonal Antibody; MOUSE ANTI HUMAN CD314:FITC; anti-CD314 antibody

PRODUCT SPECIFICATIONS

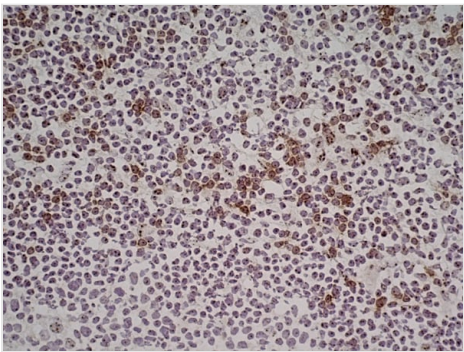
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1D11
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	216
Applicable Applications for anti-CD314 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Minimum Dilution: Neat; Maximum Dilution: 1/10
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Immunogen	NKL cells. Fusion Partners
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



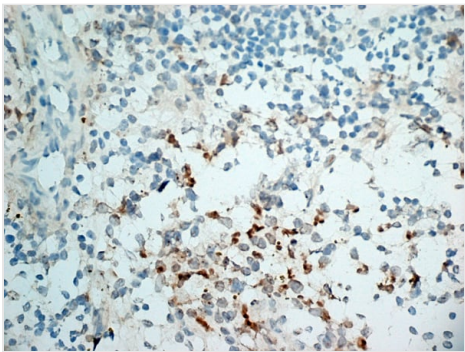
Application Data
Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD314 antibody, clone 1D11 followed by the Histar detection system . Medium power



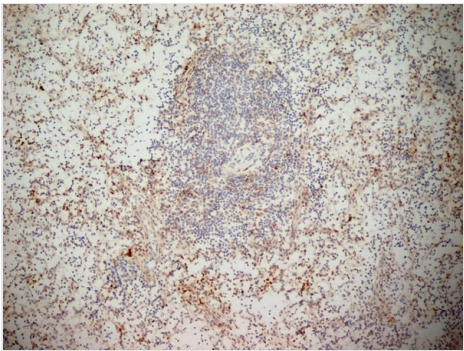
Application Data
Staining of human peripheral blood lymphocytes with Mouse anti Human CD314: Alexa Fluor 488



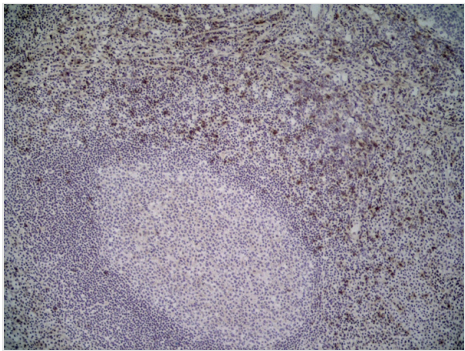
Application Data
Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD314 antibody, clone 1D11 followed by the Histar detection system . High power



Application Data
Immunoperoxidase staining of a human spleen cryosection with Mouse anti Human CD314 antibody, clone 1D11 followed by the Histar detection system . high power



Application Data
Immunoperoxidase staining of a human spleen cryosection with Mouse anti Human CD314 antibody, clone 1D11 followed by the Histar detection system . Low power



Application Data
Immunoperoxidase staining of a human tonsil cryosection with Mouse anti Human CD314 antibody, clone 1D11 followed by the Histar detection system . Low power

ADDITIONAL INFORMATION

Related Product Information for anti-CD314 antibody	Mouse anti Human CD314 antibody, clone 1D11 recognizes CD314, also known as natural killer receptor G2 (NKG2D) and as killer cell lectin-like receptor subfamily K, member 1 (KLRK1). CD314 is a C-type lectin-like activating receptor which is expressed on most natural killer (NK) cells, CD8 T cells and gamma delta T cells. CD314 forms homodimers that signal through an associated DAP10 adaptor protein. Ligands of CD314 include MICA, MICB and UL16 binding protein (ULBP), which are inducibly expressed. Ligand binding to CD314 results in NK cell activation and potent costimulation of effector T cells. Clone 1D11 is reported to inhibit T cell recognition of MICA (Bauer et al. 1999).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	315221164
NCBI GeneID	100528032
NCBI Accession #	NP_001186734.1
NCBI GenBank Nucleotide #	NM_001199805.1
UniProt Accession #	P26718; Q9NR41; A8K7K5; A8K7P4
Molecular Weight	25,274 Da
NCBI Official Full Name	NKG2-D type II integral membrane protein
NCBI Official Synonym Full Names	KLRC4-KLRK1 readthrough
NCBI Official Symbol	KLRC4-KLRK1
NCBI Protein Information	NKG2-D type II integral membrane protein; NK cell receptor D; NKG2-D-activating NK receptor; killer cell lectin-like receptor subfamily K member 1
UniProt Protein Name	NKG2-D type II integral membrane protein
UniProt Gene Name	KLRK1
UniProt Synonym Gene Names	D12S2489E; NKG2D
UniProt Entry Name	NKG2D_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd314-antibody-clone-1d11-flow-cytometry-elisa/11874>