Mouse anti-Human CD314 Monoclonal Antibody | anti-CD314 antibody

Anti-Hu CD314 Purified Azide Free

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128282	**Mouse**	**Human**	**Functional Assay, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD314; Monoclonal Antibody; Anti-Hu CD314 Purified Azide Free; killer cell lectin like receptor K1; NKG2D; KLRK1; KLR; anti-CD314 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	1D11
Specificity	The mouse monoclonal antibody 1D11 recognizes an extracellular epitope of CD314 / NKG2D, a 42 kDa C-type lectin-like activating receptor expressed by NK cells, gamma/delta T cells, and CD8+ T cells.
Purity/Purification	Purified by Protein-A Affinity Chromatography
Form/Format	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 um filter sterilized
Concentration	1 mg/ml (varies by lot)
Sequence Length	216
Applicable Applications for anti-CD314 antibody	FA (Functional Assay), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	NKL cell line
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD314 antibody	CD314, also known as NKG2D (natural killer receptor G2D) or KLRK1 (killer cell lectin-like receptor subfamily K, member 1), is a homodimeric C-type lectin-like activating receptor and costimulator with type II membrane orientation (C teminus extracellular). CD314 homodimers are associated with DAP10, a membrane adaptor protein that signals similar to CD28 by recruitment of phosphatidylinositol 3-kinase. Engagement of CD314 amplifies antigen-specific T cell responses in CD314-positive T cell populations. In NK cells, CD314 is a primary activating receptor. As CD314 ligands the MHC class-I chain-related proteins A and B (MICA, MICB) and UL16-binding proteins (ULBPs) have been identified.

NCBI AND UNIPROT INFORMATION

NCBI GI #	315221164
NCBI Accession #	NP_001186734.1
NCBI GenBank Nucleotide #	NP_001186734.1
UniProt Accession #	P26718

NCBI Official Full Name	NKG2-D type II integral membrane protein
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-functional-assay-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/128282