

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

Anti-Hu CD314 FITC

CATALOG # AAA128284	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
-------------------------------	----------------------	----------------------------	---

PRODUCT SYNONYMS

CD314; Monoclonal Antibody; Anti-Hu CD314 FITC; 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	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	216
Applicable Applications for anti-CD314 antibody	FCM/FACS (Flow Cytometry)
Immunogen	NKL cell line
Conjugation	FITC
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

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 terminus 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd314-antibody-clone-1d11-flow-cytometry-elisa/128284>