

For Research Use Only

# Biotin Anti-Human CD314/NKG2D (1D11) Mouse IgG2a Recombinant Antibody

Catalog Number: Biotin-65643



## Basic Information

Catalog Number:

Biotin-65643

Size:

100ug, 500 µg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC039836

GeneID (NCBI):

22914

Full Name:

killer cell lectin-like receptor  
subfamily K, member 1

Calculated MW:

25 kDa

Purification Method:

Protein A purification

CloneNo.:

1D11

## Applications

Tested Applications:

FC

Species Specificity:

human

## Background Information

CD314, also known as NKG2D or Killer cell lectin-like receptor subfamily K member 1 (KLRK1), is a type II lectin-like transmembrane stimulatory receptor (PMID: 8436421). In humans, it is expressed on NK cells, gamma delta T cells, and CD8+ alpha beta T cells (PMID: 10426993). Various families of cell surface ligands have been identified, including the MICA/MICB and ULBP proteins (PMID: 12150888). CD314 is involved in both innate and adaptive immunities, and the NKG2D/NKG2DL pathway involves multiple effector cell types for controlling tumor progression (PMID: 31720075).

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide.

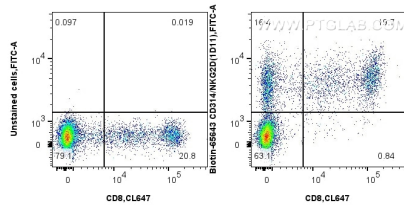
For technical support and original validation data for this product please contact:

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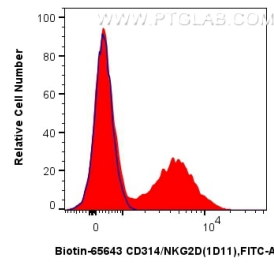
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W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD314/NKG2D (1D11) and Mouse IgG2a RecAb (Biotin-65643, Clone:1D11) and CoraLite®488-conjugated streptavidin, or unstained. Cells were co-stained with CoraLite® Plus 647 Anti-Human CD8 (UCHT4) Mouse IgG2a Recombinant Antibody (CL647-65559, Clone: UCHT4). Cells were not fixed.



1x10<sup>6</sup> human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD314/NKG2D (1D11) and Mouse IgG2a RecAb (Biotin-65643, Clone:1D11) and CoraLite®488-conjugated streptavidin (red) or unstained (blue). Cells were not fixed.