

For Research Use Only

# APC Anti-Human CD314/NKG2D (1D11)



Catalog Number: **APC-65188**

## Basic Information

### Catalog Number:

APC-65188

### Size:

100tests , 10 µl/test

### Source:

Mouse

### Isotype:

IgG1, kappa

### GenBank Accession Number:

BC039836

### GeneID (NCBI):

22914

### UNIPROT ID:

P26718

### Full Name:

killer cell lectin-like receptor subfamily K, member 1

### Calculated MW:

25 kDa

### Purification Method:

The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

### CloneNo.:

1D11

### Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## Applications

### Tested Applications:

FC

### Species Specificity:

Human

## Background Information

CD314, also known as NKG2D or Killer cell lectin-like receptor subfamily K member 1 (KLRL1), 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 0.1% sodium azide.

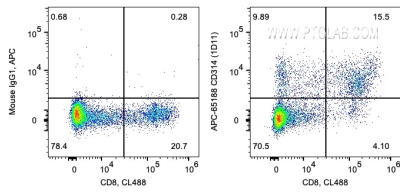
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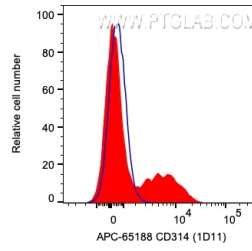
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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with CL488 Anti-Human CD8a (CL488-65204, Clone: UCHT4) and 10 ul APC Anti-Human CD314/NKG2D (APC-65188, Clone:1D11) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> human PBMCs were surface stained with 10 ul APC Anti-Human CD314/NKG2D (APC-65188, Clone:1D11) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.