

For Research Use Only

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

Catalog Number: PE-65188



## Basic Information

Catalog Number:

PE-65188

Concentration:

100 tests, 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 R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:

1D11

Recommended Dilutions:

FC: 10 µl per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human peripheral blood lymphocytes,

## 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 0.09% sodium azide, pH7.3

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

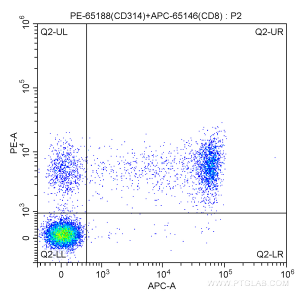
T: 4006900926

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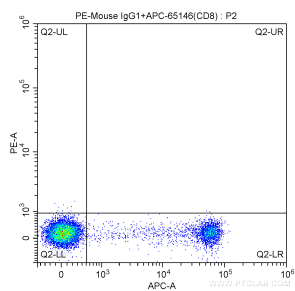
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## Selected Validation Data



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with APC Anti-Human CD8 (APC-65146, Clone: SK1) and 10 ul PE Anti-Human CD314/NKG2D (PE-65188, Clone: 1D11). Cells were not fixed.



1X10<sup>6</sup> human peripheral blood lymphocytes were surface stained with APC Anti-Human CD8 (APC-65146, Clone: SK1) and PE-Mouse IgG1 isotype control. Cells were not fixed.