

For Research Use Only

# Cardinal Red™ Anti-Human CD314/NKG2D (1D11)



Catalog Number: CR-65188

## Basic Information

Catalog Number:

CR-65188

Size:

100 tests, 5 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:

Affinity purification

CloneNo.:

1D11

Excitation/Emission maxima  
wavelengths:

592 nm / 611 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 0.09% sodium azide and 0.5% BSA.

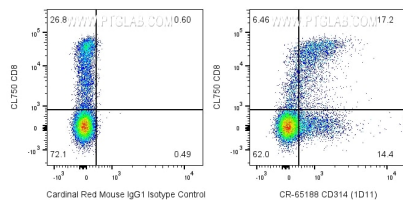
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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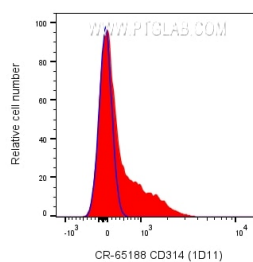
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with CL750 Anti-Human CD8 and 5 ul Cardinal Red™ Anti-Human CD314/NKG2D (CR-65188, Clone:1D11) or Cardinal Red™ Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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