

PE Anti-Human CD314/NKG2D (1D11)

Catalog Number: **PE-65188**

Basic Information

Catalog Number:

PE-65188

Size:

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

**Excitation/Emission maxima
wavelengths:**

496 nm, 565 nm / 578 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 MIC A/MIC B 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.

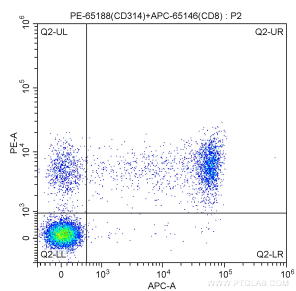
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

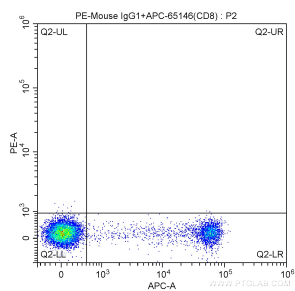
E: proteintech@ptglab.com
W: ptglab.com

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Group brand and is not available to purchase from any
other manufacturer.**

Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with APC Anti-Human CD8 (APC-65146, Clone: SK1) and 10 ul PE Anti-Human CD314 (PE-65188, Clone: 1D11). Cells were not fixed.



1X10⁶ 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.