

For Research Use Only

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

Catalog Number: PE-65643



Basic Information

Catalog Number:

PE-65643

Size:

100 tests, 5 µl/test

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

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in a 100 µl
suspension

Excitation/Emission maxima
wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

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 and 0.5% BSA, pH7.3

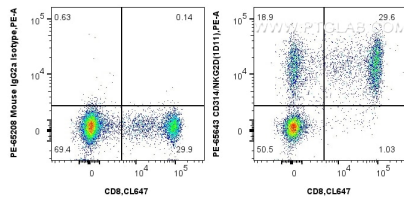
For technical support and original validation data for this product please contact:

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

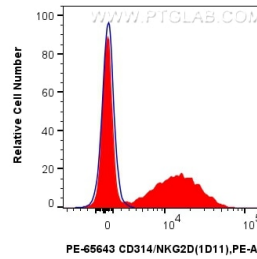
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with CoraLite® Plus 647 Anti-Human CD8, and 5 ul PE Anti-Human CD314/NKG2D (1D11) Mouse IgG2a RecAb (PE-65643, Clone: 1D11) or PE Mouse IgG2a Isotype Control (C1.18.4) (PE-65208, Clone: C1.18.4). Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 5 ul PE Anti-Human CD314/NKG2D (1D11) Mouse IgG2a RecAb (PE-65643, Clone: 1D11) (red) or PE Mouse IgG2a Isotype Control (C1.18.4) (PE-65208, Clone: C1.18.4) (blue). Cells were not fixed.