

For Research Use Only

CoraLite® Plus 405 Anti-Human CD314/NKG2D (1D11)

Catalog Number: CL405-65188



Basic Information

Catalog Number:

CL405-65188

Concentration:

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

Recommended Dilutions:

FC: 5 µl per 10⁶ cells in 100 µl suspension

Excitation/Emission maximum wavelengths:

399 nm / 422 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 (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 0.09% sodium azide and 0.5% BSA, pH7.3

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

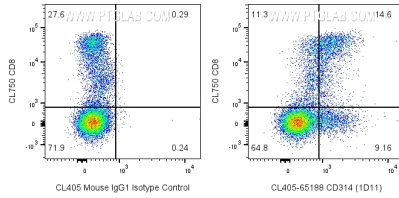
T: 4006900926

E: Proteintech-CN@ptglab.com

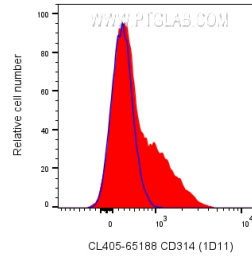
W: ptgcn.com

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 CL750 Anti-Human CD8 and 5 ul CoraLite® Plus 405 Anti-Human CD314/NKG2D (CL405-65188, Clone:1D11) or CoraLite® Plus 405 Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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