

# Anti-Human CD314/NKG2D (1D11)

Catalog Number: 65188-1-Ig

## Basic Information

**Catalog Number:**

65188-1-Ig

**Size:**

100ug, 1 mg/ml

**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:**

Purified by protein-A affinity  
chromatography

**CloneNo.:**

1D11

## Applications

**Tested Applications:**

FC

**Species Specificity:**

Human

## 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 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

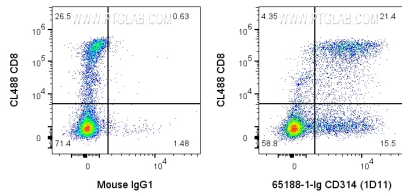
**Storage:**

Store at 2-8°C. Stable for one year after shipment.

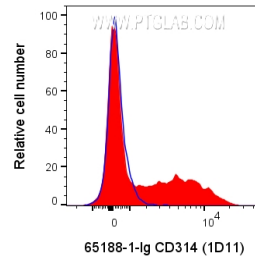
**Storage Buffer:**

PBS with 0.09% sodium azide.

## Selected Validation Data



1x10<sup>6</sup> human PBMCs were surface stained with 0.2 ug Anti-Human CD314/NKG2D (65188-1-Ig, Clone:1D11) or Mouse IgG1 Isotype Control and CoraLite®647-conjugated AffiniPure F(ab')<sub>2</sub> Fragment Goat Anti-Mouse IgG (H+L) (SA00014-8) at dilution 1:1000. Cells were then stained with CL488-conjugated CD8 (CL488-65135). Cells were not fixed. Lymphocytes were gated.



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