

For Research Use Only

Anti-Mouse CD314/NKG2D Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98481-2-PBS



Basic Information

Catalog Number: 98481-2-PBS	GenBank Accession Number: NM_033078.4	Purification Method: Protein A purification
Concentration: 1mg, 3000 µg/ml	GeneID (NCBI): 27007	CloneNo.: 250267G1
Source: Rabbit	UNIPROT ID: O54709-1	
Isotype: IgG	Full Name: killer cell lectin-like receptor subfamily K, member 1	
Immunogen Catalog Number: EG3829	Calculated MW: 27 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

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 mice, CD314 is expressed on NK cells, activated CD8(+) T cells and macrophages, and subsets of TCR gamma delta (+) and NK1.1 (+) T cells (PMID: 12150888). Various subfamilies of MHC class I-related glycoproteins have been identified as the ligands for mouse CD314, including RAET1A, RAET1B, RAET1C, RAET1D, RAET1E, H60 and MULT1 (PMID: 31720075).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

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

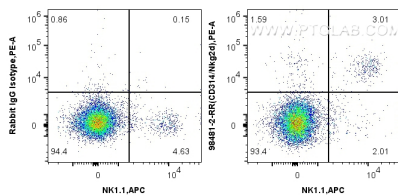
T: 4006900926

E: Proteintech-CN@ptglab.com

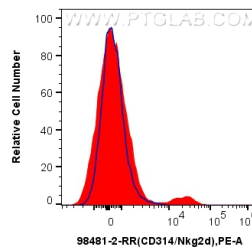
W: ptgcn.com

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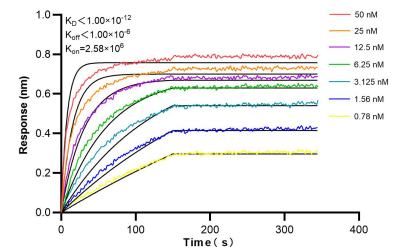
Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD314/NKG2D Rabbit RecAb (98481-2-RR, Clone: 250267G1) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Mouse NK1.1. Cells were not fixed. This data was developed using the same antibody clone with 98481-2-PBS in a different storage buffer formulation.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD314/NKG2D Rabbit RecAb (98481-2-RR, Clone: 250267G1) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98481-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 98481-2-RR against Mouse CD314/NKG2D were performed. The affinity constant is below 1 pM.