For Research Use Only

Biotin Anti-Mouse CD314/NKG2D Rabbit Recombinant Antibody

Catalog Number:Biotin-98481-2

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
Biotin-98481-2

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG3829

GenBank Accession Number:
NM_033078.4

GeneID (NCBI):
27007

UNIPROT ID:
O54709-1

Full Name:
killer cell lectin-like receptor subfamily K, member 1

Calculated MW:
27 kDa

Purification Method:
Protein A purification

CloneNo.:
250267G1

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse splenocytes,

Background Information

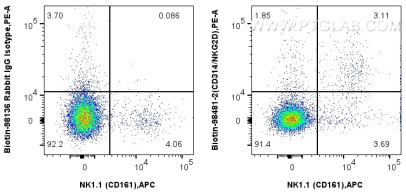
CD314, also known as NKG2D or Killer cell lectin-like receptor subfamily K member 1 (KLRK1), is a type II lectin-like transmembrane stimulatory receptor (PMID: 8436421). In mice, CD314 is expressed on NK cells, activated CD8(+) T cells and macrophages, and subsets of TCR gamma delta (+) and NK1.1 (+) 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

Selected Validation Data



1x10^6 mouse splenocytes were surface stained with 0.25 ug Biotin Anti-Mouse CD314/NKG2D Rabbit RecAb (Biotin-98481-2, Clone: 250267G1) or Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were then co-stained with APC Anti-Mouse NK1.1 (CD161) (PK136) (APC-65138, Clone: PK136). Cells were not fixed.