

For Research Use Only

# CD244 Polyclonal antibody

Catalog Number: 16677-1-AP

2 Publications



## Basic Information

### Catalog Number:

16677-1-AP

### Size:

150ul, Concentration: 150 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9860

### GenBank Accession Number:

BC053985

### GeneID (NCBI):

51744

### UNIPROT ID:

Q9BZW8

### Full Name:

CD244 molecule, natural killer cell receptor 2B4

### Calculated MW:

365 aa, 41 kDa

### Observed MW:

60-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

IF, IHC

### Species Specificity:

human

### Cited Species:

human, pig

### Positive Controls:

WB: NK-92 cells,

## Background Information

CD244, also known as SLAMF4 or 2B4, is a type I transmembrane glycoprotein belonging to the signaling lymphocyte activation molecule (SLAM) family. It consists of an extracellular segment with two immunoglobulin (Ig)-like domains, a transmembrane region, and a cytoplasmic domain containing tyrosine-based motifs (PMID: 9841922; 30546369). CD244 is present on natural killer (NK) cells,  $\gamma\delta$  T cells, a subset of CD8<sup>+</sup> T cells, monocytes, basophils, dendritic cells, and myeloid-derived suppressor cells (MDSCs) (PMID: 30546369). It binds to CD48 with high affinity and transmits stimulatory or inhibitory signals that regulate immune function (PMID: 9841922; 18523281).

## Notable Publications

Author	Pubmed ID	Journal	Application
Douglas B Johnson	31332390	Nat Med	IHC
Priscila Ramos-Ibeas	30700715	Nat Commun	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

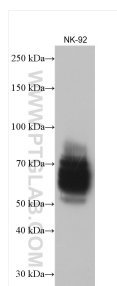
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## Selected Validation Data



NK-92 cells were subjected to SDS PAGE followed by western blot with 16677-1-AP (CD244 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.