

For Research Use Only

# CD244 Polyclonal antibody

Catalog Number: 16677-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 16677-1-AP	<b>GenBank Accession Number:</b> BC053985	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 300 µg/ml	<b>GeneID (NCBI):</b> 51744	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BZW8	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD244 molecule, natural killer cell receptor 2B4	
<b>Immunogen Catalog Number:</b> AG9860	<b>Calculated MW:</b> 365 aa, 41 kDa	
	<b>Observed MW:</b> 60-70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : NK-92 cells,
<b>Cited Applications:</b> IF, IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, pig	

## 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+ 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

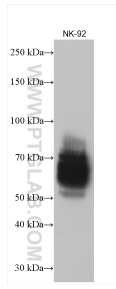
## Storage

**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

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



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.