

For Research Use Only

CD244 Polyclonal antibody

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



Basic Information

Catalog Number: 16677-1-AP	GenBank Accession Number: BC053985	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 150 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51744	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	UNIPROT ID: Q9BZW8	
Isotype: IgG	Full Name: CD244 molecule, natural killer cell receptor 2B4	
Immunogen Catalog Number: AG9860	Calculated MW: 365 aa, 41 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : NK-92 cells,
Cited Applications: IF, IHC	
Species Specificity: human	
Cited Species: 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

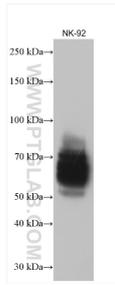
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

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.