

For Research Use Only

CD244 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84086-1-PBS



Basic Information

Catalog Number: 84086-1-PBS	GenBank Accession Number: BC053985	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 51744	CloneNo.: 241260C6
Source: Rabbit	UNIPROT ID: Q9BZW8	
Isotype: IgG	Full Name: CD244 molecule, natural killer cell receptor 2B4	
	Calculated MW: 365 aa, 41 kDa	

Applications

Tested Applications:
WB, IHC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

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).

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

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

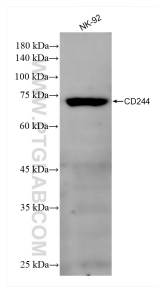
T: 4006900926

E: Proteintech-CN@ptglab.com

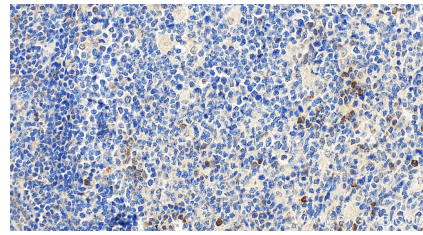
W: ptgcn.com

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

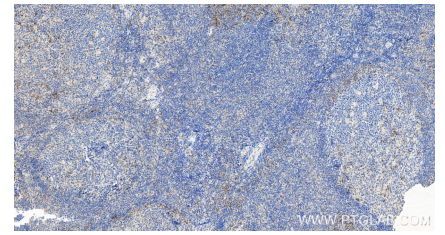
Selected Validation Data



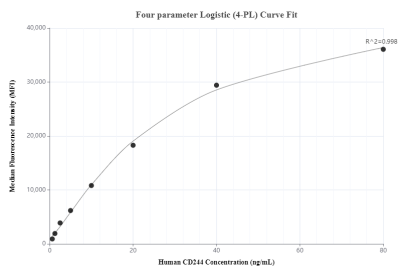
NK-92 cells were subjected to SDS PAGE followed by western blot with 84086-1-RR (CD244 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84086-1-PBS in a different storage buffer formulation.



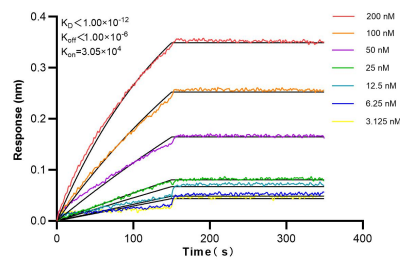
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84086-1-RR (CD244 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84086-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84086-1-RR (CD244 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84086-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01008-3, CD244 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84086-2-PBS. Detection antibody: 84086-1-PBS. Standard: Eg32087. Range: 0.625-80 ng/mL



Biolayer interferometry (BLI) kinetic assays of 84086-1-RR against Human CD244 were performed. The affinity constant is below 1 pM.