

For Research Use Only

Rat CD27/TNFRSF7 Recombinant monoclonal antibody, PBS Only

Catalog Number:87691-3-PBS



Basic Information

Catalog Number: 87691-3-PBS	GenBank Accession Number: NM_001024335.1	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 500318	CloneNo.: 253071D4
Isotype: IgG	UNIPROT ID: Q501W2	
Immunogen Catalog Number: EG5288	Full Name: CD27 molecule	
	Calculated MW: 28 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
rat

Background Information

Rat CD27 (TNFRSF7) is a member of the tumor necrosis factor receptor superfamily (TNFRSF). It is a type I transmembrane glycoprotein primarily expressed on the surface of T lymphocytes, B cells, and natural killer (NK) cells. As an important T cell co-stimulatory molecule, CD27 binds to its ligand, CD70. This interaction recruits TRAF2/5, activating the NF- κ B and JNK signaling pathways, which promotes T cell proliferation, differentiation, and survival while inhibiting apoptosis. The expression level of CD27 serves as a crucial marker for T cell activation and memory status, and soluble CD27 (sCD27) can act as a clinical marker of immune activation. In cancer immunotherapy, CD27 is a significant target. Agonistic antibodies, such as Varlilumab, can enhance anti-tumor T cell responses and have entered clinical trials.

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, pH7.3

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

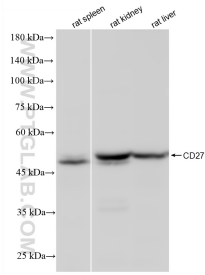
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87691-3-RR (CD27/TNFRSF7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87691-3-PBS in a different storage buffer formulation.