

For Research Use Only

CD47 Recombinant monoclonal antibody, PBS Only

Catalog Number:80928-2-PBS



Basic Information

Catalog Number: 80928-2-PBS	GenBank Accession Number: NM_001777.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 961	CloneNo.: 251993B3
Isotype: IgG	UNIPROT ID: Q08722-1	
Immunogen Catalog Number: EG1767	Full Name: CD47 molecule	
	Calculated MW: 35kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

CD47, also known as integrin-associated protein (IAP), is a member of the immunoglobulin superfamily containing a five-pass transmembrane attachment. CD47 is heavily glycosylated and widely expressed by hematopoietic and nonhematopoietic cells. CD47 interacts with several membrane integrins and also acts as a receptor for thrombospondin (THBS1). It is involved in a range of cellular processes, including apoptosis, proliferation, adhesion, and migration. CD47 also functions as a ligand for signal regulatory protein- α (SIRP α). Upon binding CD47, SIRP α initiates a signaling cascade that results in the inhibition of phagocytosis.

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:

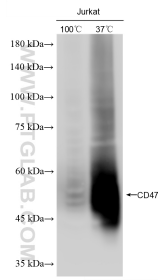
T: 4006900926

E: Proteintech-CN@ptglab.com

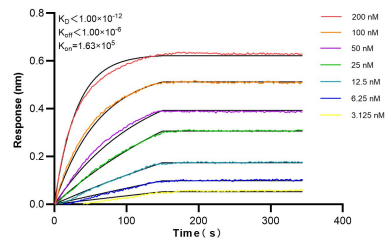
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80928-2-RR (CD47 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80928-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 80928-2-RR against Human CD47 were performed. The affinity constant is below 1 pM.