

For Research Use Only

# CD47 Recombinant monoclonal antibody

Catalog Number: 80928-2-RR



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>80928-2-RR       | <b>GenBank Accession Number:</b><br>NM_001777.4 | <b>Purification Method:</b><br>Protein A purification |
| <b>Source:</b><br>Rabbit                   | <b>GeneID (NCBI):</b><br>961                    | <b>CloneNo.:</b><br>251993B3                          |
| <b>Isotype:</b><br>IgG                     | <b>UNIPROT ID:</b><br>Q08722-1                  | <b>Recommended Dilutions:</b><br>WB: 1:500-1:2000     |
| <b>Immunogen Catalog Number:</b><br>EG1767 | <b>Full Name:</b><br>CD47 molecule              |   |
|  | <b>Calculated MW:</b><br>35kDa                  |   |
|  | <b>Observed MW:</b><br>50-55 kDa                |   |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : Jurkat cells, |
| <b>Species Specificity:</b><br>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- $\alpha$  (SIRP  $\alpha$ ). Upon binding CD47, SIRP  $\alpha$  initiates a signaling cascade that results in the inhibition of phagocytosis.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

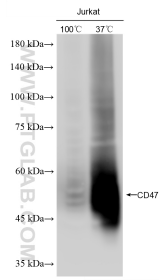
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## Selected Validation Data



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.

