

For Research Use Only

# Mouse CD40 Recombinant antibody, PBS Only

Catalog Number: 83972-5-PBS



## Basic Information

Catalog Number:

83972-5-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_011611.2

GeneID (NCBI):

21939

UNIPROT ID:

P27512-1

Full Name:

CD40 antigen

Calculated MW:

32 kDa

Observed MW:

40-45 kDa

Purification Method:

Protein A purification

CloneNo.:

240874B2

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

mouse

## Background Information

CD40, also named as TNFRSF5 and Bp50, is a receptor for TNFSF5/CD40LG. It is a member of the TNFR superfamily and is responsible for the efficient activation of cell-mediated and humoral immune responses via activated T cells and B cells respectively. Defects in CD40 lead to hyper-IgM immunodeficiency syndrome type 3 (HIGM3) (PMID: 11675497). This is an autosomal recessive disorder that includes the inability of B cells to undergo isotype switching, a key step in the final differentiation of the humoral immune response, and an inability to mount an antibody-specific immune response.

## 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:

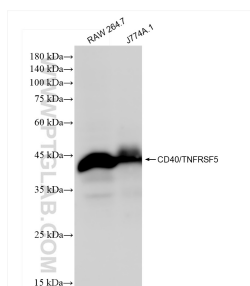
T: 4006900926

E: Proteintech-CN@ptglab.com

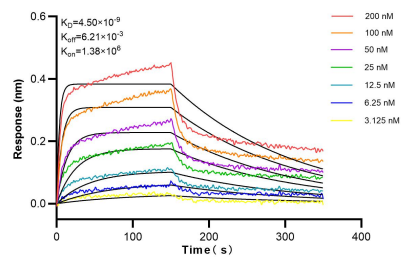
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83972-5-RR (CD40 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83972-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83972-5-RR against Mouse CD40 were performed. The affinity constant is 4.50 nM.