For Research Use Only

# CD71 Recombinant monoclonal antibody

Catalog Number:88972-1-RR

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## Basic Information

Catalog Number:
88972-1-RR

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG9774

GenBank Accession Number:
NM_022712.1

GeneID (NCBI):
64678

UNIPROT ID:
Q99376

Full Name:
transferrin receptor

Calculated MW:
86 kDa

Observed MW:
90-100 kDa

Purification Method:
Protein A purification

CloneNo.:
261393B12

Recommended Dilutions:
WB: 1:2000-1:10000

## Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse, rat

Positive Controls:

WB : mouse spleen tissue, PNGF treated mouse spleen tissue, rat spleen tissue, rat testis tissue, rat kidney tissue, RAW 264.7 cells

## Background Information

CD71, also known as transferrin receptor protein 1 (TfR1), is a transmembrane glycoprotein composed of two disulfide-linked monomers, each of 90 kDa molecular weight. Each monomer binds one holo-transferrin molecule creating an iron-Tf-TfR complex that enters the cell by endocytosis. CD71 is present on actively proliferating cells and is essential for iron transport into proliferating cells.

## Storage

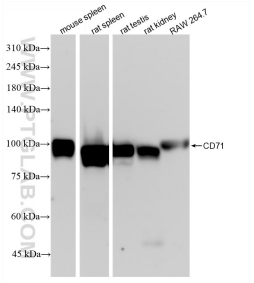
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

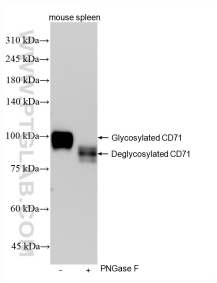
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
W: ptglab.com

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## Selected Validation Data




Various lysates were subjected to SDS PAGE followed by western blot with 88972-1-RR (CD71 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.




Untreated and PNGase F-treated lysates of mouse spleen tissue were subjected to SDS PAGE followed by western blot with 88972-1-RR (CD71 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.