For Research Use Only

CD71 Recombinant monoclonal antibody

Catalog Number:88972-1-RR

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Basic Information

Catalog Number:
88972-1-RR

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.

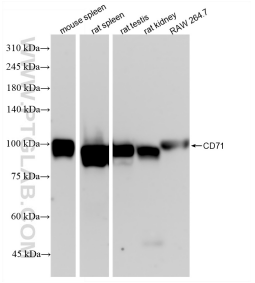
Storage

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

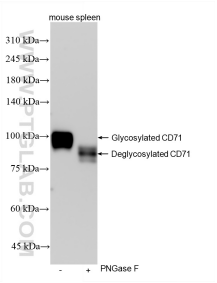
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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 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.