

For Research Use Only

CD71 Recombinant antibody

Catalog Number: 84766-4-RR



Basic Information

Catalog Number:

84766-4-RR

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_011638.4

GeneID (NCBI):

22042

UNIPROT ID:

Q62351

Full Name:

transferrin receptor

Calculated MW:

86kDa

Observed MW:

85-100 kDa

Purification Method:

Protein A purification

CloneNo.:

242122B2

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

mouse

Positive Controls:

WB : RAW 264.7 cells, mouse placenta tissue

IF/ICC : 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

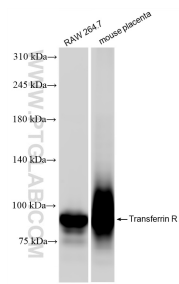
For technical support and original validation data for this product please contact:

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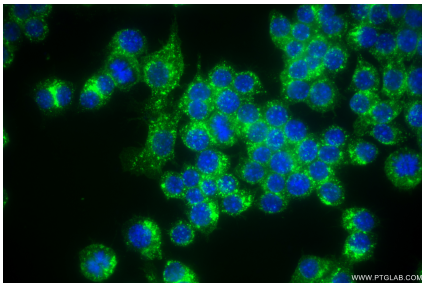
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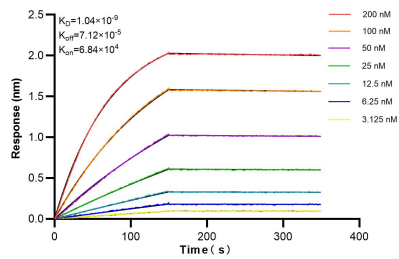
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84766-4-RR (Transferrin R antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD71 antibody (84766-4-RR, Clone: 242122B2) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84766-4-RR against Mouse CD71 were performed. The affinity constant is 1.04 nM.