

For Research Use Only

Mouse CD71 Recombinant antibody, PBS Only

Catalog Number: 84766-4-PBS



Basic Information

Catalog Number:

84766-4-PBS

Size:

100ug , Concentration: 1 mg/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

Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

mouse

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 -80°C.

Storage Buffer:

PBS Only

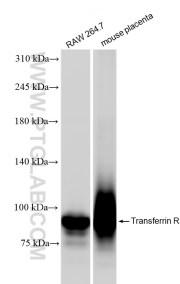
For technical support and original validation data for this product please contact:

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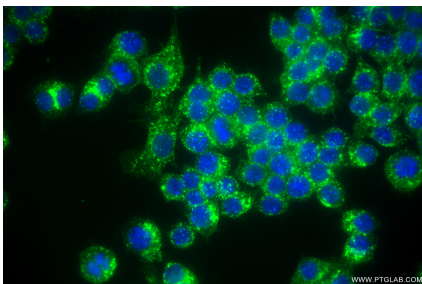
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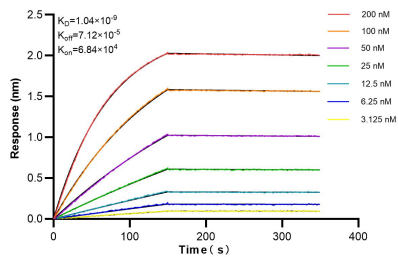
Selected Validation Data



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. This data was developed using the same antibody clone with 84766-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84766-4-PBS in a different storage buffer formulation.



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