

For Research Use Only

CD71 Recombinant antibody

Catalog Number: 84766-3-RR



Basic Information

Catalog Number:

84766-3-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

Purification Method:

Protein A purification

CloneNo.:

242122G6

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

mouse

Positive Controls:

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

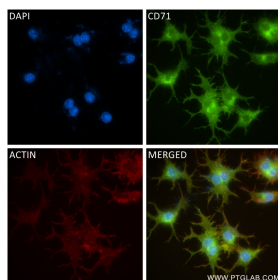
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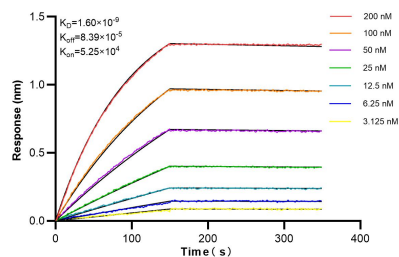
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using CD71 antibody (84766-3-RR, Clone: 242122G6) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84766-3-RR against Mouse CD71 were performed. The affinity constant is 1.60 nM.