

For Research Use Only

# CD71 Recombinant antibody

Catalog Number: 81793-2-RR

Featured Product

1 Publications



## Basic Information

Catalog Number:

81793-2-RR

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0123

GenBank Accession Number:

BC001188

GeneID (NCBI):

7037

ENSEMBL Gene ID:

ENSG00000072274

UNIPROT ID:

P02786

Full Name:

transferrin receptor (p90, CD71)

Calculated MW:

85 kDa

Observed MW:

90 kDa

Purification Method:

Protein A purification

CloneNo.:

2P14

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : PC-12 cells, HeLa cells, HT-1080 cells, Raji cells, K-562 cells

IF/ICC : K-562 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhengze Zhang	39426227	Int Immunopharmacol	WB

## 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

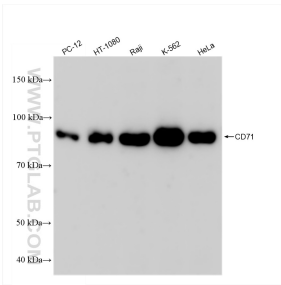
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

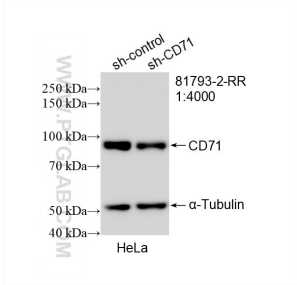
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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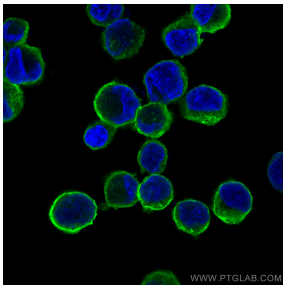
Selected Validation Data



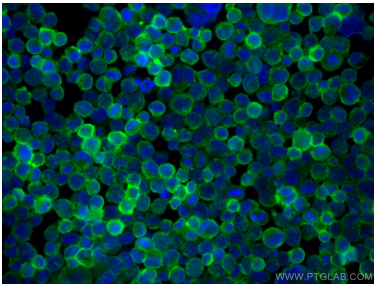
Various lysates were subjected to SDS PAGE followed by western blot with 81793-2-RR (CD71 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



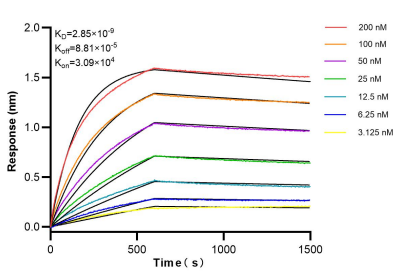
WB result of CD71 antibody (81793-2-RR; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CD71 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using CD71 antibody (81793-2-RR, Clone: 2P14) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



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Biolayer interferometry (BLI) kinetic assays of 81793-2-RR against Human CD71 were performed. The affinity constant is 2.85 nM.