

For Research Use Only

# CD71 Recombinant monoclonal antibody, PBS Only

Catalog Number: 81793-14-PBS



## Basic Information

Catalog Number:

81793-14-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0339

GenBank Accession Number:

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.:

250738D6

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human

## 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, pH7.3

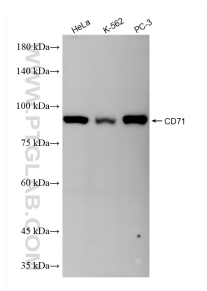
For technical support and original validation data for this product please contact:

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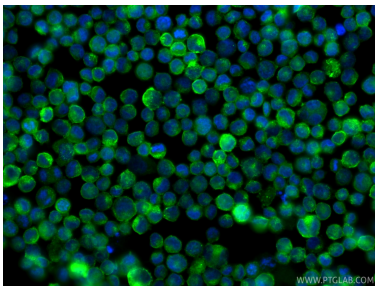
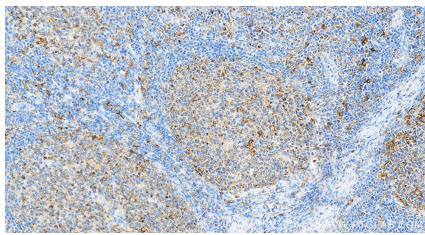
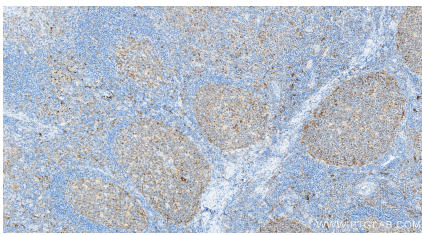
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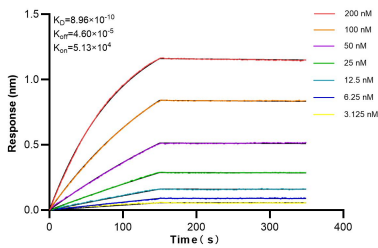
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81793-14-RR (CD71 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81793-14-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using CD71 antibody (81793-14-RR, Clone: 250738D6) 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 81793-14-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81793-14-RR against Human CD71 were performed. The affinity constant is 0.896 nM.