

For Research Use Only

# CD71 Recombinant antibody

Catalog Number: 84766-4-RR **1 Publications**



## Basic Information

<b>Catalog Number:</b> 84766-4-RR	<b>GenBank Accession Number:</b> NM_011638.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 22042	<b>CloneNo.:</b> 242122B2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q62351	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> transferrin receptor	
	<b>Calculated MW:</b> 86kDa	
	<b>Observed MW:</b> 85-100 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b> WB : RAW 264.7 cells, mouse placenta tissue IF/ICC : RAW 264.7 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> mouse	
<b>Cited Species:</b> 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yu Dong	39921026	Toxicology	WB

## Storage

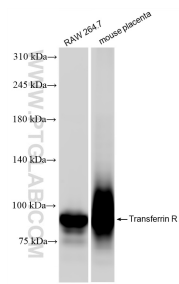
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

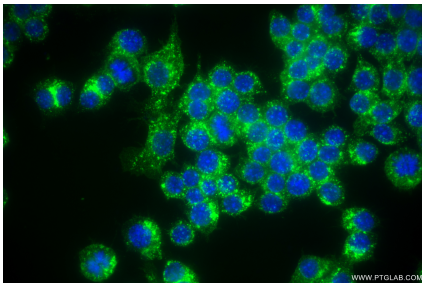
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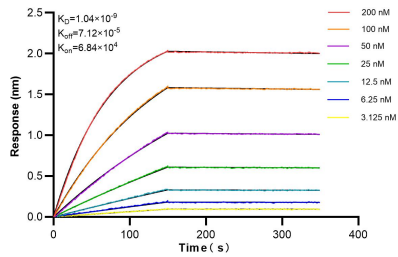
Selected Validation Data



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.