

For Research Use Only

# Anti-Mouse CD71 (RI7217)

Catalog Number: 65289-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 65289-1-Ig	<b>GenBank Accession Number:</b> BC054522	<b>Purification Method:</b> Affinity purification
<b>Concentration:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 22042	<b>CloneNo.:</b> RI7217
<b>Source:</b> Rat	<b>Full Name:</b> transferrin receptor	
<b>Isotype:</b> IgG2a, kappa		

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC

**Species Specificity:**  
mouse

**Cited Species:**  
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
Ling-Yan Su	38309277	Cell Chem Biol	FC

## Storage

**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

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

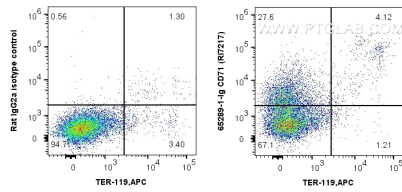
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## Selected Validation Data



1X10<sup>6</sup> C57BL/6 mouse bone marrow cells were surface co-stained with APC Anti-Mouse TER-119 (TER-119) and 0.5 ug Anti-Mouse CD71 (65289-1-Ig, Clone: R7217) or 0.5 ug Rat IgG2a Isotype Control (2A3), and FITC anti-Rat IgG2a Antibody at dilution 1:100. Cells were not fixed.