

For Research Use Only

# CoraLite® Plus 488-conjugated CD71 Recombinant antibody

Catalog Number:CL488-81793-2



## Basic Information

**Catalog Number:**

CL488-81793-2

**Size:**

100ul , Concentration: 1000 µg/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:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human

**Positive Controls:**

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.

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

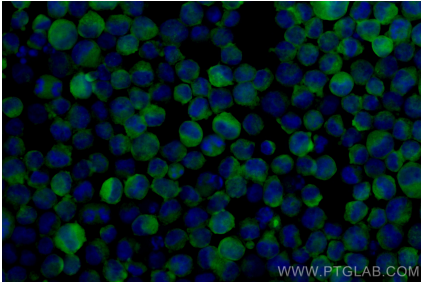
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed K-562 cells using CoraLite® Plus 488 CD71 antibody (CL488-81793-2, Clone: 2P14 ) at dilution of 1:200.