

For Research Use Only

# CoraLite® Plus 555 Anti-Human CD71 (OKT9)

Catalog Number: CL555-65235



## Basic Information

Catalog Number:

CL555-65235

Concentration:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC001188

GeneID (NCBI):

7037

ENSEMBL Gene ID:

ENSG00000072274

UNIPROT ID:

P02786

Full Name:

transferrin receptor (p90, CD71)

Calculated MW:

85 kDa

Purification Method:

Affinity purification

CloneNo.:

OKT9

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

554 nm / 570 nm

## Applications

Tested Applications:

FC

Species Specificity:

Human

Positive Controls:

FC : PHA treated human PBMCs,

## 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

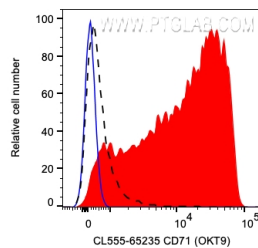
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

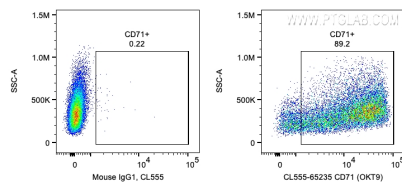
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> PHA treated human PBMCs were surface stained with 5 ul Coralite® Plus 555 Anti-Human CD71 (CL555-65235, Clone: OKT9) (red) or Mouse IgG1 Isotype Control (blue). Unactivated PBMCs were surface stained with CL555-65235 (black). Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> PHA treated human PBMCs were surface stained with 5 ul Coralite® Plus 555 Anti-Human CD71 (CL555-65235, Clone: OKT9) or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.