

For Research Use Only

# Atlantic Blue™ Anti-Human CD71 (OKT9)



Catalog Number: **AB-65235**

## Basic Information

Catalog Number:

AB-65235

Size:

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

Excitation/Emission maxima wavelengths:

404 nm / 458 nm

## Applications

Tested Applications:

FC

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 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.

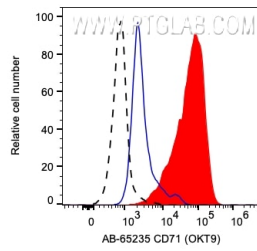
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



$1 \times 10^6$  PHA-activated human PBMCs were surface stained with 5  $\mu$ l Atlantic Blue™ Anti-Human CD71 (AB-65235, Clone:OKT9) (red) or Mouse IgG1 Isotype Control (blue). Unactivated human PBMCs were surface stained with 5  $\mu$ l Atlantic Blue™ Anti-Human CD71 (black). Cells were not fixed. Lymphocytes were gated.