For Research Use Only

APC Anti-Human CD71 (OKT9)

Catalog Number:APC-65235

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
APC-65235

Size:
100tests , 5 ul/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:
N/A

CloneNo.:
OKT9

Excitation/Emission maxima wavelengths:
650 nm / 660 nm

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

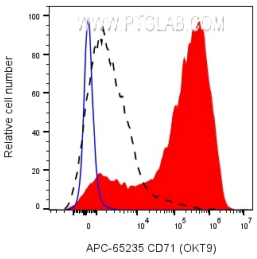
CD71, also known as transferrin receptor protein 1 (TfR1), is a transmembrane glycoprotein composed of two disulfide-linked monomers, each of 90 kDa molecular weight. Each monomer binds one holo-transferrin molecule creating an iron-Tf-TfR complex that enters the cell by endocytosis. CD71 is present on actively proliferating cells and is essential for iron transport into proliferating cells.

Storage

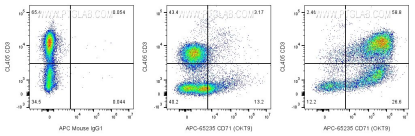
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

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
W: ptglab.com

Selected Validation Data



1x10^6 PHA treated (3 day) human PBMCs were surface stained with 5 ul APC Anti-Human CD71 (APC-65235, Clone: OKT9) (red) or APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21) (blue). 1x10^6 untreated human PBMCs were surface stained with 5 ul APC Anti-Human CD71 (APC-65235, Clone: OKT9) (black dashed). Cells were treated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.



1x10^6 PHA treated (3 day) human PBMCs were surface stained with 5 ul APC Anti-Human CD71 (APC-65235, Clone: OKT9) (right) or APC Mouse IgG1 Isotype Control (APC-65124, Clone: MOPC-21) (left). 1x10^6 untreated human PBMCs were surface stained with 5 ul APC Anti-Human CD71 (APC-65235, Clone: OKT9) (center). Cells were treated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.