

For Research Use Only

CoraLite® Plus 594 Anti-Human CD71 (OKT9)



Catalog Number: CL594-65235

Basic Information

| | | |
|---------------------------------------|---|---|
| Catalog Number: CL594-65235 | GenBank Accession Number: BC001188 | Purification Method: N/A |
| Size: 100tests , 5 µl/test | GeneID (NCBI): 7037 | CloneNo.: OKT9 |
| Source: Mouse | ENSEMBL Gene ID: ENSG00000072274 | Excitation/Emission maxima wavelengths: 594 nm / 615 nm |
| Isotype: IgG1, kappa | UNIPROT ID: P02786 | |
| | Full Name: transferrin receptor (p90, CD71) | |
| | Calculated MW: 85 kDa | |

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

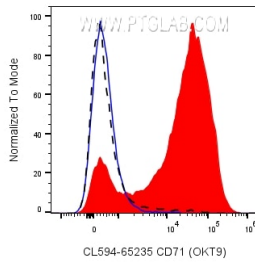
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

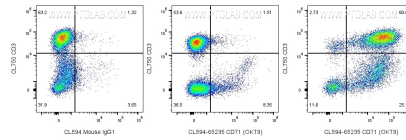
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ PHA treated (3 days) human PBMCs were surface stained with 5 ul CoraLite® Plus 594 Anti-Human CD71 (CL594-65235, Clone:OKT9) (red) or CoraLite®594 Mouse IgG1 Isotype Control (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 594 Anti-Human CD71 (CL594-65235, Clone:OKT9) (black dashed). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Lymphocytes were gated.



1x10⁶ PHA treated (3 days) human PBMCs were surface stained with CL750 Anti-Human CD3 and 5 ul CoraLite® Plus 594 Anti-Human CD71 (CL594-65235, Clone:OKT9) (right) or CoraLite®594 Mouse IgG1 Isotype Control (left). 1x10⁶ untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 594 Anti-Human CD71 (CL594-65235, Clone:OKT9) (center). Cells were not fixed. Cells were treated with FC Receptor Block prior to staining. Lymphocytes were gated.