

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:

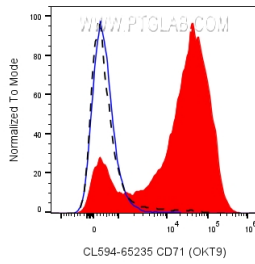
T: 4006900926

E: Proteintech-CN@ptglab.com

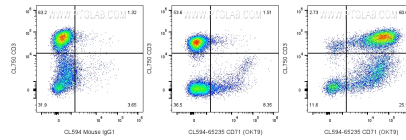
W: ptgcn.com

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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.