

For Research Use Only

CoraLite® Plus 488 Anti-Human CD21 (BU32)



Catalog Number: **CL488-65198**

Basic Information

Catalog Number: CL488-65198	GenBank Accession Number: BC136394	Purification Method: Protein G purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 1380	CloneNo.: BU32
Source: Mouse	Full Name: complement component (3d/Epstein Barr virus) receptor 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG1, kappa	Calculated MW: 1092 aa, 119 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

CD21, also known as complement receptor type 2 (CR2), complement C3d receptor, and Epstein-Barr virus receptor, is a transmembrane protein that contains a small cytoplasmic domain, a transmembrane region and an extracellular domain consisting of 15 tandem short consensus repeat sequences (PMID: 6230668; 2551147). It is expressed on B cells, follicular dendritic cells, thymocytes and a subset of peripheral T cells (PMID: 26119182). CD21 binds complement fragments C3d, C3dg and iC3b and acts as a receptor for the Epstein-Barr virus (PMID: 7753047). On B cells, together with CD19 and CD81, CD21 forms a complex that functions as a co-receptor to the BCR (PMID: 7542009). It is involved in B cells activation and functions.

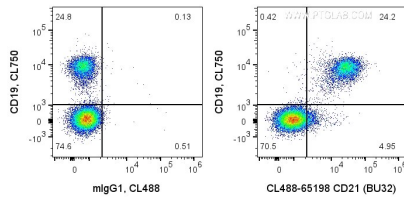
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

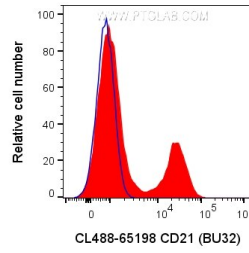
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ human PBMCs were surface co-stained with CL750 Anti-Human CD19 and 5 ul CoraLite® Plus 488 Anti-Human CD21 (CL488-65198, Clone:BU32), or Mouse IgG1 Isotype Control. Cells were not fixed. Lymphocytes were gated.



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