

For Research Use Only

CoraLite® Plus 488-conjugated CD21 Recombinant monoclonal antibody

Catalog Number: CL488-87097-5



Basic Information

Catalog Number:

CL488-87097-5

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG2980

GenBank Accession Number:

NM_001877.5

GeneID (NCBI):

1380

ENSEMBL Gene ID:

ENSG00000117322

UNIPROT ID:

P20023-1

Full Name:

complement component (3d/Epstein
Barr virus) receptor 2

Calculated MW:

113 kDa

Purification Method:

Protein A purification

CloneNo.:

252181G11

Recommended Dilutions:

IF/ICC: 1:200-1:800

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : Raji cells,

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

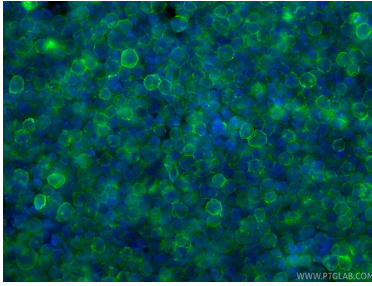
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CoraLite® Plus 488 CD21 antibody (CL488-87097-5, Clone: 252181G11) at dilution of 1:400.