

For Research Use Only

# FcZero-rAb® PE-CoraLite® Plus 594 Anti-Human CD20 (2H7) Rabbit Recombinant Antibody

Catalog Number: PCL594-FcA65575



## Basic Information

**Catalog Number:**  
PCL594-FcA65575

**Concentration:**  
100tests, 5 ul/test

**Source:**  
Rabbit

**Isotype:**  
IgG

**GenBank Accession Number:**  
BC002807

**GeneID (NCBI):**  
931

**UNIPROT ID:**  
P11836-1

**Full Name:**  
membrane-spanning 4-domains,  
subfamily A, member 1

**Calculated MW:**  
297 aa, 33 kDa

**Purification Method:**  
Protein A purification

**CloneNo.:**  
2H7

**Recommended Dilutions:**  
FC: 5 ul per 10<sup>6</sup> cells in a 100 µl  
suspension

**Excitation/Emission maxima  
wavelengths:**  
496 nm, 565 nm / 604 nm

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human, monkey, non-human primates

**Positive Controls:**

FC : human PBMCs,

## Background Information

CD20 is a 33-37 kDa transmembrane phosphoprotein belonging to the membrane-spanning 4A family (PMID: 3260267; 16785532). CD20 is a B-lymphocyte surface molecule that is widely expressed during B-cell ontogeny, from early pre-B-cell developmental stages until final differentiation into plasma cells (PMID: 7524522). CD20 functions as calcium-permeable cation channel (PMID: 7684739). It is involved in the regulation of B-cell activation, proliferation and differentiation (PMID: 7524522).

## 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, pH7.3

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

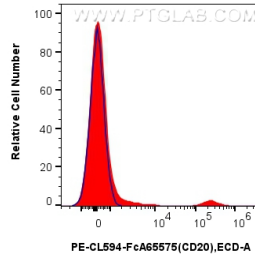
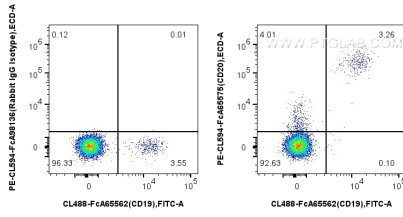
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



$1 \times 10^6$  human PBMCs were surface stained with FcZero-rAb™ CoraLite® Plus 488 Anti-Human CD19 (4G7), and 5 ul PE-CL594 Plus Anti-Human CD20 (2H7) Rabbit IgG RecAb (PCL594-FcA65575, Clone:2H7) or FcZero-rAb™ PE-CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.

$1 \times 10^6$  human PBMCs were surface stained with 5 ul PE-CL594 Plus Anti-Human CD20 (2H7) Rabbit IgG RecAb (PCL594-FcA65575, Clone:2H7) (red) or FcZero-rAb™ PE-CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (PCL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.