For Research Use Only

## FcZero-rAb™ PE-Cyanine5.5 Anti-Human CD20 (2H7) Rabbit IgG Recombinant Antibody



Catalog Number: PY5P5-FcA65575

**Basic Information** 

Catalog Number: GenBank Accession Number: PY5P5-FcA65575 BC002807
Concentration: GeneID (NCBI):

 100tests, 5 ul/test
 931

 Source:
 UNIPROT ID:

 Rabbit
 P11836-1

Isotype: Full Name:
IgG 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 10^6 cells in a 100 µl

suspension

Excitation/Emission maxima

wavelengths:

488 nm, 561 nm / 692 nm

**Applications** 

**Tested Applications:** 

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).

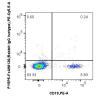
Storage

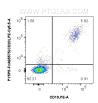
Storage

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

## Selected Validation Data





1x10^6 human PBMCs were surface stained with PE-CD19, and 5 ul PE-Cyanine5.5 Anti-Human CD20 (2H7) Rabbit IgG RecAb (PY5P5-FcA65575, Clone: 2H7) or FcZero-rAb™ PE-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (PY5P5-FcA98136, Clone: 240953C9). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.