

# CD35 Monoclonal antibody, PBS Only

Catalog Number: 68033-1-PBS

## Basic Information

**Catalog Number:**

68033-1-PBS

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG30268

**GenBank Accession Number:**

NM\_000573

**GeneID (NCBI):**

1378

**ENSEMBL Gene ID:**

ENSG00000203710

**UNIPROT ID:**

P17927

**Full Name:**complement component (3b/4b)  
receptor 1 (Knops blood group)**Calculated MW:**

224 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1B8E6

## Applications

**Tested Applications:**

IHC, IF-P, Indirect ELISA

**Species Specificity:**

human

## Background Information

CD35, also known as complement receptor type 1 (CR1) or C3b/C4b receptor, is a single-chain glycoprotein consisting of 30 repeating homologous protein domains known as short consensus repeats (~60 amino acids each) followed by transmembrane and cytoplasmic domains (PMID: 8765013). CD35 is variably expressed by granulocytes, monocytes, B cells, some T cells, erythrocytes, follicular dendritic cells, Langerhans cells, and glomerular podocytes (PMID: 19004497). CD35 acts as a receptor for C3b and C4b and plays important roles in the regulation of the complement cascade and clearance of immune complexes. A soluble form of CD35 has been found in plasma (PMID: 3156931). It has been reported that soluble CD35 is produced by a proteolytic cleavage in the C-terminal region of CD35 transmembrane domain (PMID: 9405292).

## Storage

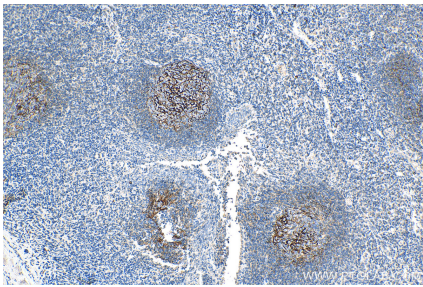
**Storage:**

Store at -80°C.

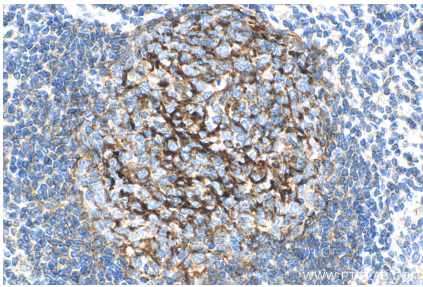
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C****Storage Buffer:**

PBS Only

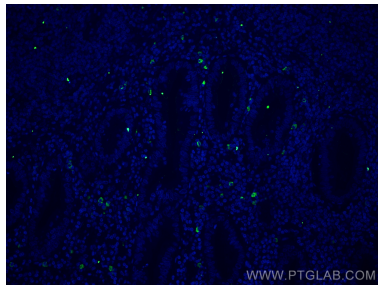
Selected Validation Data



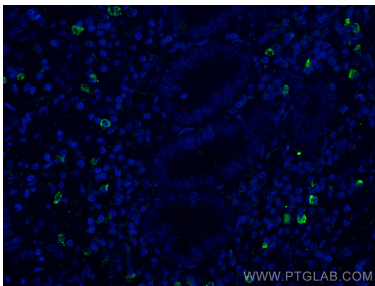
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 68033-1-Ig (CD35 antibody) at dilution of 1:1100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68033-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 68033-1-Ig (CD35 antibody) at dilution of 1:1100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68033-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using CD35 antibody (68033-1-Ig, Clone: 1B8E6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68033-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using CR1 antibody (68033-1-Ig, Clone: 1B8E6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68033-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 68033-1-Ig (CD35 antibody) at dilution of 1:3000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68033-1-PBS in a different storage buffer formulation.