

For Research Use Only

# CoraLite® Plus 488-conjugated CD35 Monoclonal antibody



Catalog Number: CL488-68033

## Basic Information

<b>Catalog Number:</b> CL488-68033	<b>GenBank Accession Number:</b> NML_000573	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 1378	<b>CloneNo.:</b> 1B8E6
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000203710	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>UNIPROT ID:</b> P17927	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG30268	<b>Full Name:</b> complement component (3b/4b) receptor 1 (Knops blood group)	
	<b>Calculated MW:</b> 224 kDa	

## Applications

**Tested Applications:**  
IF-P  
**Species Specificity:**  
Human

**Positive Controls:**  
IF : human appendicitis tissue,

## 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 -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

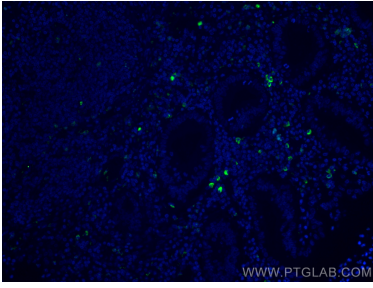
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

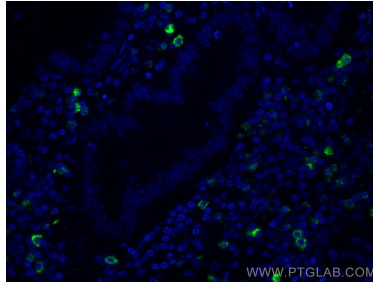
W: [ptgcn.com](http://ptgcn.com)

**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 human appendicitis tissue using CoraLite® Plus 488 CD35 antibody (CL488-68033, Clone: 1B8E6) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using CoraLite® Plus 488 CD35 antibody (CL488-68033, Clone: 1B8E6) at dilution of 1:200.