

For Research Use Only

# CoraLite® Plus 488-conjugated CD35 Monoclonal antibody



Catalog Number: **CL488-68033**

## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>CL488-68033                             | <b>GenBank Accession Number:</b><br>NM_000573                                       | <b>Purification Method:</b><br>Protein G purification                 |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by<br>Nanodrop; | <b>GeneID (NCBI):</b><br>1378   | <b>CloneNo.:</b><br>1B8E6   |
| <b>Source:</b><br>Mouse   | <b>Full Name:</b><br>complement component (3b/4b)<br>receptor 1 (Knops blood group) | <b>Recommended Dilutions:</b><br>IF 1:50-1:500                        |
| <b>Isotype:</b><br>IgG1   | <b>Calculated MW:</b><br>224 kDa  | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>493 nm / 522 nm |
| <b>Immunogen Catalog Number:</b><br>AG30268                       |   |   |

## Applications

**Tested Applications:**

IF

**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

**\*\*\* 20ul sizes contain 0.1% BSA**

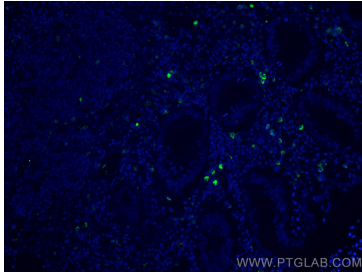
For technical support and original validation data for this product please contact:

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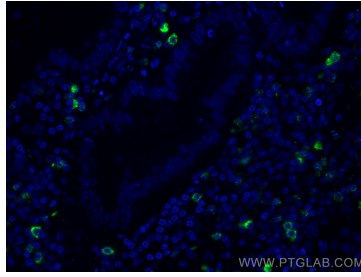
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## Selected Validation Data



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



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