

CoraLite® Plus 488-conjugated CD35 Monoclonal antibody

Catalog Number: **CL488-68033**

Basic Information

Catalog Number:

CL488-68033

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 G purification

CloneNo.:

1B8E6

Recommended Dilutions:

IF-P 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

Human

Positive Controls:

IF-P: 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:

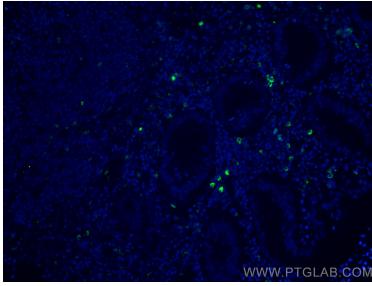
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

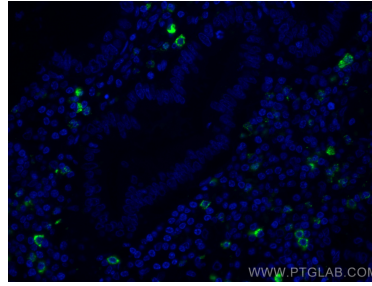
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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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