

# CD68 Rabbit mAb

Catalog No.: A20803

Recombinant

5 Publications

## Basic Information

### Observed MW

80-130kDa

### Calculated MW

37kDa

### Category

Primary antibody

### Applications

ELISA,WB,IF/ICC,FC (intra)

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC51150

## Background

This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins. The protein is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages. Alternative splicing results in multiple transcripts encoding different isoforms.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IF/ICC</b>	1:50 - 1:200
<b>FC (intra)</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

968

### Swiss Prot

P34810

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 100-200 of human CD68 (NP\_001242.2).

### Synonyms

GP110; LAMP4; SCARD1; CD68

## Contact

 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

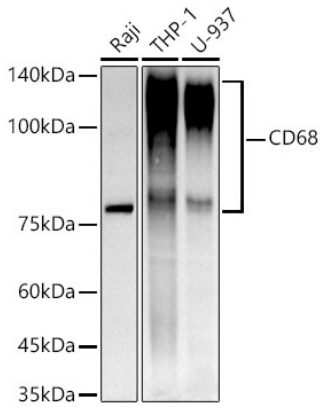
Affinity purification

### Storage

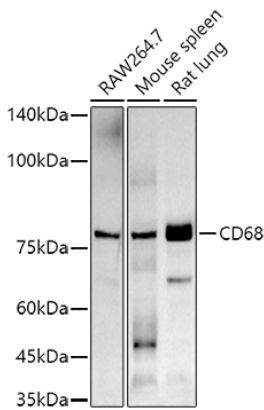
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

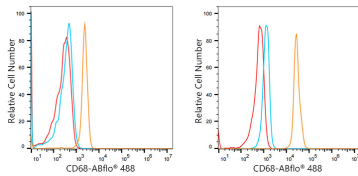
## Validation Data



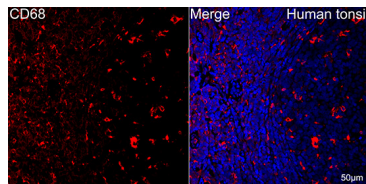
Western blot analysis of various lysates using CD68 Rabbit mAb (A20803) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Western blot analysis of various lysates using CD68 Rabbit mAb (A20803) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Flow cytometry:  $1 \times 10^6$  Jurkat cells (negative control, left) and U-87MG cells (right) were intracellularly-stained with CD68 Rabbit mAb (A20803, 2.5 µg/mL, orange line) or Rabbit IgG isotype control (AC042, 10 µg/mL, blue line), followed by FITC conjugated goat anti-rabbit pAb (1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).



Confocal imaging of paraffin-embedded Human tonsil tissue using CD68 Rabbit mAb (A20803, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.