

# CD68 Rabbit mAb

Catalog No.: A22329 **Recombinant**

## Basic Information

**Observed MW**

70-80kDa,130-140kDa

**Calculated MW**

37kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IHC-P

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC51158

## 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>IHC-P</b>	1:10000 - 1:20000
<b>FC</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
	www.abclonal.com.cn

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

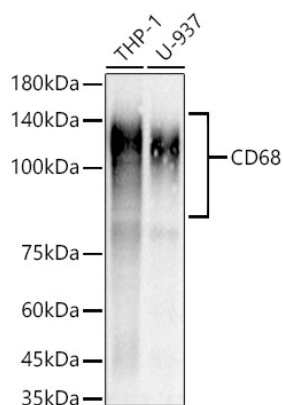
Affinity purification

**Storage**

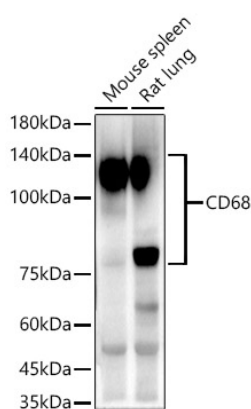
Store at -20°C. Avoid freeze / thaw cycles.

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

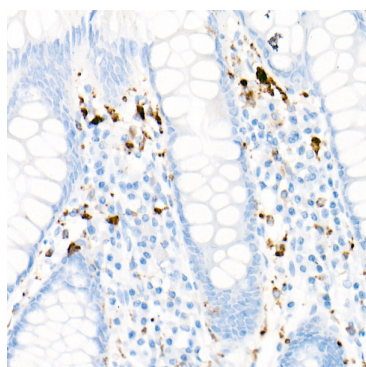
## Validation Data



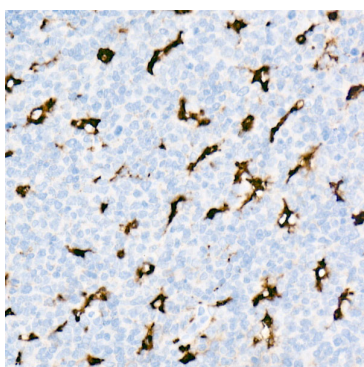
Western blot analysis of various lysates, using CD68 antibody (A22329) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



Western blot analysis of various lysates, using CD68 antibody (A22329) at 1:1000 dilution.  
Secondary antibody: HRP 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 Enhanced Kit (RM00021).  
Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded human colon using CD68 Rabbit mAb (A22329) at dilution of 1:70000(40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded human tonsil using CD68 Rabbit mAb (A22329) at dilution of 1:70000(40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.