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Datasheet for ABIN7211932

## anti-CD68 antibody

### 4 Images

#### Overview

Quantity:	100 µL
Target:	CD68
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD68 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Purpose:	CD68 Monoclonal Antibody
Immunogen:	Synthetic Peptide
Isotype:	IgG1
Specificity:	The antibody detects endogenous CD68 proteins.
Purification:	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen

#### Target Details

Target:	CD68
Alternative Name:	CD68 ( <a href="#">CD68 Products</a> )
Background:	Mouse Anti-CD68 Monoclonal Antibody,CD68, Macrosialin, Gp110, CD68,CD68 encodes a 110-

## Target Details

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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. CD68 Molecule 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. CD68 Molecule 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.,Macrosialin

Molecular Weight: observed band 37kDa

Gene ID: 968

UniProt: [P34810](#)

## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: IF (1:100-1:200), IHC-P (1:200).

Comment: Primary Antibody

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

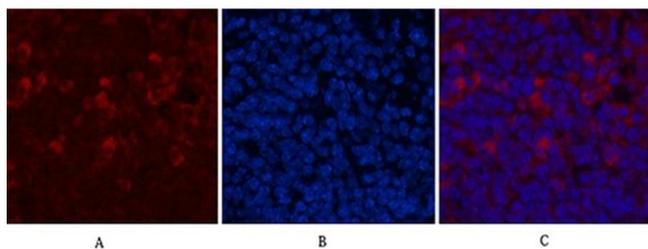
Buffer: PBS, pH 7.4, containing 0.02 % Sodium Azide as preservative and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

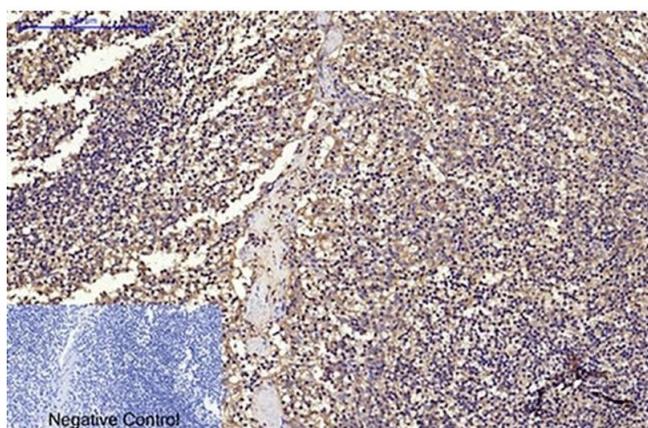
Storage: -20 °C

Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



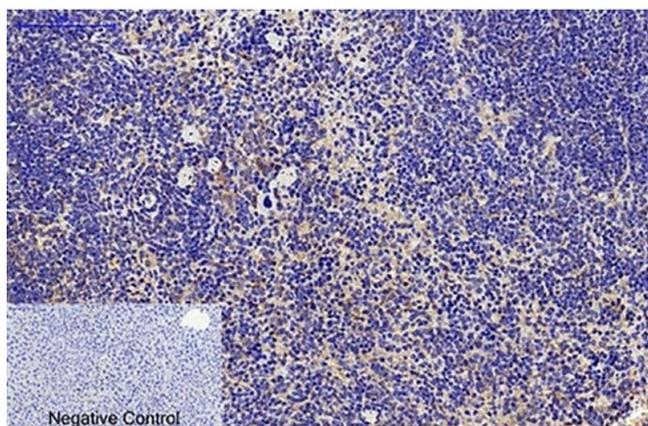
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of mouse spleen tissue. 1, CD68 Monoclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded human tonsil tissue. 1, CD68 Monoclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded mouse liver tissue. 1, CD68 Monoclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7211932.