
CD68 Mouse mAb

Catalog Number: bsm-33056M

Target Protein: CD68

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 8F3

Isotype: IgG

Applications: IHC-P (1:100-300), IHC-F (1:100-300), IF (1:100-300)

Reactivity: Human, Rat

Predicted MW: 37 kDa

Entrez Gene: 968

Swiss Prot: P34810

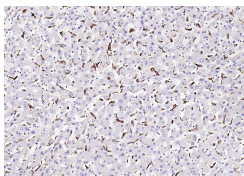
Purification: affinity purified by Protein G

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

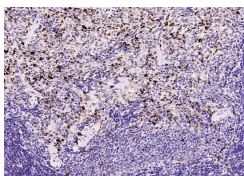
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, Jul 2008]

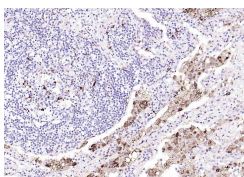
VALIDATION IMAGES



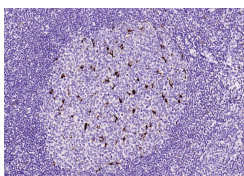
Paraformaldehyde-fixed, paraffin embedded (human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD68) Monoclonal Antibody, Unconjugated (bsm-33056M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



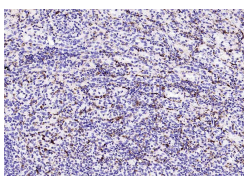
Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD68) Monoclonal Antibody, Unconjugated (bsm-33056M) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



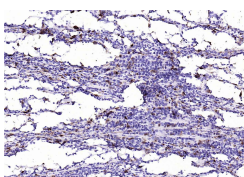
Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD68) Monoclonal Antibody, Unconjugated (bsm-33056M) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD68) Monoclonal Antibody, Unconjugated (bsm-33056M) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD68) Monoclonal Antibody, Unconjugated (bsm-33056M) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human diffuse large B-cell lymphoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (CD68) Monoclonal Antibody, Unconjugated (bsm-33056M) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=18.5] Yizhou Zhu. et al. Photocurrent-Directed Immunoregulation Accelerates Osseointegration through Activating Calcium Influx in Macrophages. ADV FUNCT MATER. 2024 Oct;;2406095 IHC ; Rat . 10.1002/adfm.202406095

[IF=7.59] Mengyue Hu. et al. Well-designed two-fold crosslinked biological valve leaflets with heparin-loaded hydrogel coating for enhancing anticoagulation, endothelialization, and anticalcification. BIOMATER SCI-UK. 2022 Aug;; IHC ; Rat . 35947038

[IF=8.025] Ningning Lei. et al. Research on essential performance of oxidized chitosan-crosslinked acellular porcine aorta modified with bioactive SCPP/DOPA for esophageal scaffold with enhanced mechanical strength, biocompatibility and anti-inflammatory. INT J BIOL MACROMOL. 2023 Jun;;241:124522 IHC ; Rat . 37100332

[IF=5.395] Xueyu Huang. et al. Hyaluronic Acid-Grafted Bioprosthetic Heart Valves Achieved by Copolymerization Exhibited Improved Anticalcification and Antithrombogenicity. ACS BIOMATER-SCI ENG. 2022;XXXX(XXX):XXX-XXX IHC ; Rabbit . 35839344

[IF=4.855] Xueyu Huang. et al. Poly(2-methacryloyloxyethyl phosphorylcholine) Grafted Bioprosthetic Heart Valve Exhibited Improved Antithrombogenicity and Anticalcification Properties. ACS APPL POLYM MATER. 2022;4(11):8418–8428 IHC ; Rat .
10.1021/acsapm.2c01334