
CD68 Rabbit pAb

Catalog Number: bs-0649R

Target Protein: CD68

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:200-800), ELISA (1:5000-10000)

Reactivity: Human

Predicted MW: 37 kDa

Detected MW: 110-140K Da

Entrez Gene: 968

Swiss Prot: P34810

Source: Recombinant human CD68 protein: 22-319/354.

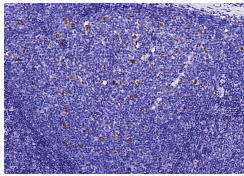
Purification: affinity purified by Protein A

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

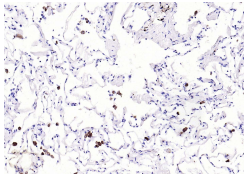
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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]

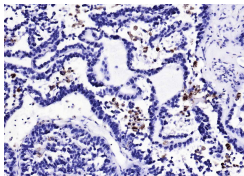
VALIDATION IMAGES



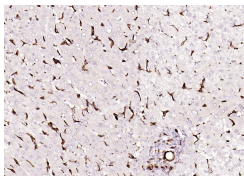
Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by microwaving in sodium citrate buffer (pH6.0) for 5min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD68) Polyclonal Antibody, Unconjugated (bs-0649R) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



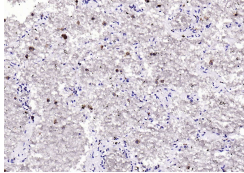
Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by microwaving in sodium citrate buffer (pH6.0) for 5min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD68) Polyclonal Antibody, Unconjugated (bs-0649R) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



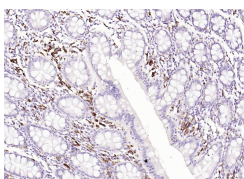
Paraformaldehyde-fixed, paraffin embedded (Human ovarian cancer); Antigen retrieval by microwaving in sodium citrate buffer (pH6.0) for 5min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD68) Polyclonal Antibody, Unconjugated (bs-0649R) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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; Incubation with (CD68) Polyclonal Antibody, Unconjugated (bs-0649R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human lung); Antigen retrieval by microwaving in sodium citrate buffer (pH6.0) for 5min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD68) Polyclonal Antibody, Unconjugated (bs-0649R) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human colon); 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) Polyclonal Antibody, Unconjugated (bs-0649R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=18.027] Yue Zhou. et al. Turning Hot into Cold: Immune Microenvironment Reshaping for Atherosclerosis Attenuation Based on pH-Responsive shSiglec-1 Delivery System. ACS NANO. 2022;XXXX(XXX):XXX-XXX IF ; Mouse . 35762565

[IF=15.881] Tang Gao. et al. Biomimetic Glucan Particles with Aggregation-Induced Emission Characteristics for Noninvasive Monitoring of Transplant Immune Response. Acs Nano. 2021;XXXX(XXX):XXX-XXX IF,IHC ; Mouse . 34264052

[IF=14.808] Xue Gong. et al. Circular RNA circEsyt2 regulates vascular smooth muscle cell remodeling via splicing regulation. J Clin Invest. 2021 Dec 15;131(24):e147031 IF ; Mouse . 34907911

[IF=10.652] Zhuo Liang. et al. Exosome derived from mesenchymal stem cells mediates hypoxia-specific BMP2 gene delivery and

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enhances bone regeneration. Chem Eng J. 2021 Oct;422:130084 IF ; Rabbit . 10.1016/j.cej.2021.130084

[IF=10] Zhejie Chen. et al. Oral Delivery of Transformable Bilirubin Self-Assembled System for Targeted Therapy of Colitis. ADV HEALTHC MATER. 2023 Jun;;2300946 IF ; MOUSE . 37317667