bsm-60634R

[Primary Antibody]

CD68 Recombinant Rabbit mAb



www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

DATASHEET -

Host: Rabbit Isotype: IgG
Clonality: Recombinant CloneNo.: 3G6
GeneID: 968 SWISS: P34810

Target: CD68

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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]

Applications: IHC-P (1:500-1000)

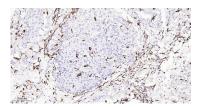
IHC-F (1:500-1000) IF (1:500-1000) Flow-Cyt (1ug/Test)

Reactivity: Human

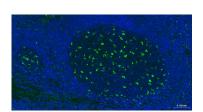
Predicted MW.: 37 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



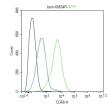
Paraformaldehyde-fixed, paraffin embedded (human endometrial carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD68) Monoclonal Antibody, Unconjugated (bsm-60634R) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



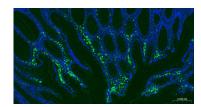
Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD68 Monoclonal



Paraformaldehyde-fixed, paraffin embedded (human cervical 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; Antibody incubation with (CD68) Monoclonal Antibody, Unconjugated (bsm-60634R) at 1:500 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control:THP-1. Primary Antibody (green line): Rabbit Anti-CD68 antibody (bsm-60634R) Dilution: 1ug/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488 Dilution:



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD68 Monoclonal Antibody, Unconjugated (bsm-60634R) at 1:500 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

Antibody, Unconjugated (bsm-60634R) at 1:500 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

0.5ug/Test. Isotype control (orange line): Normal Rabbit IgG Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

- SELECTED CITATIONS -

- [IF=14.9] Kanishka Fernando. et al. Extended human lymph node explants for evaluation of adaptive immunity. TRENDS BIOTECHNOL. 2025 八月 29 mIHC; Human. 40885665
- [IF=5.6] Xiaoyue Guan. et al. The Role of Macrophage Efferocytosis in the Pathogenesis of Apical Periodontitis. INT J MOL SCI. 2024 Jan;25(7):3854 IHC,IF; Human. 38612664