

**bs-20403R****[ Primary Antibody ]****CD68 Rabbit pAb****BioSS**  
**ANTIBODIES**

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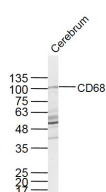
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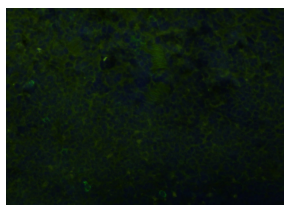
400-901-9800

**— DATASHEET —**

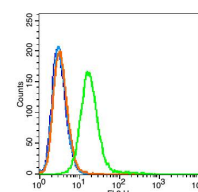
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1µg/Test)  <b>Reactivity:</b> Mouse, Rat (predicted: Pig)  <b>Predicted MW.:</b> 37 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 12514	<b>SWISS:</b> P31996	
<b>Target:</b> CD68		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from mouse CD68: 151-250/335. < Extracellular >		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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 —**

Sample: Cerebrum (Mouse) Lysate at 40 ug  
Primary: Anti-CD68 (bs-20403R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD  
Observed band size: 110 kD



OCT embedded (Rat spleen), acetone-fixed;  
Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD68) Polyclonal Antibody, Unconjugated (bs-20403R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.



Blank control: RSC96 cells (blue). Primary Antibody: Rabbit Anti-CD68 antibody(bs-20403R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions. Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

**— SELECTED CITATIONS —**

- **[IF=19]** Xuan Yao. et al. Dual Dynamic Crosslinked Hydrogel Patch Embodied with Anti-Bacterial and Macrophage Regulatory Properties for Synergistic Prevention of Peritendinous Adhesion. ADV FUNCT MATER. 2024 May;;2400660 IF ;Rat. 10.1002/adfm.202400660
- **[IF=8.7]** Xin Chen. et al. Decellularized adipose matrix hydrogel-based in situ delivery of antagomiR150-5p for rat abdominal aortic aneurysm therapy. MATER TODAY BIO. 2024 Nov;;101350 IHC ;Rat. 39677522
- **[IF=7.7]** Zhineng Liu. et al.Proline rich-39 (PR-39) antimicrobial protein alleviated lipopolysaccharide-induced intestinal

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barrier dysfunction in piglets by altering intestinal flora associated bile acid metabolism and in turn regulating TGR-5/NF- $\kappa$ B/MLCK/MLC pathway..International Journal of Biological Macromolecules.2025 Mar 10;307(Pt 1):141930. IHC ;Pig. 40074117

- **[IF=6.7]** Wu Haoshuang. et al. A strategy for mechanically integrating robust Hydrogel-Tissue hybrid to promote the anti-calcification and endothelialization of bioprosthetic heart valve. REGEN BIOMATER. 2024 Jan;; IHC ;Pig. 10.1093/rb/rbae003
- **[IF=4.6]** Ke Minhui. et al. Establishment and study of a rat internal haemorrhoid model. SCI REP-UK. 2023 Dec;13(1):1-10 IHC ;Rat. 38049459