

**bs-3511R****[ Primary Antibody ]****FCGR1A/CD64 Rabbit pAb****Bioss**  
ANTIBODIES

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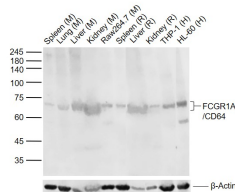
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**DATASHEET**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 2209 <b>Target:</b> FCGR1A/CD64 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CD64/IGFR1: 101-200/374. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1. [provided by RefSeq, Jul 2008]	<b>Isotype:</b> IgG <b>SWISS:</b> P12314	<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>ICC/IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> Human, Mouse, Rat    <b>Predicted MW.:</b> 41 kDa  <b>Subcellular Location:</b> Cell membrane
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**VALIDATION IMAGES**

Sample: Lane 1: Mouse Spleen tissue lysates  
Lane 2: Mouse Lung tissue lysates Lane 3: Mouse Liver tissue lysates Lane 4: Mouse Kidney tissue lysates Lane 5: Mouse Raw264.7 cell lysates Lane 6: Rat Spleen tissue lysates Lane 7: Rat Liver tissue lysates Lane 8: Rat Kidney tissue lysates Lane 9: Human THP-1 cell lysates Lane 10: Human HL60 cell lysates  
Primary: Anti-FCGR1A/CD64 (bs-3511R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 41 kDa  
Observed band size: 70 kDa

**SELECTED CITATIONS**

- **[IF=11.492]** Laura Lopez-Sanz. et al. Fcγ receptor activation mediates vascular inflammation and abdominal aortic aneurysm development. Clin Transl Med. 2021 Jul;11(7):e463 IHC ;Human. 34323424
- **[IF=9.4]** Aldona Mzyk. et al. Quantum sensing to monitor changes in free radical generation by intracellular vesicles of polarized macrophages. ACTA BIOMATER. 2025 Apr;; FC ;MOUSE. 40222601
- **[IF=5.6]** Cao De-Li. et al. Cytochrome P450 26A1 Contributes to the Maintenance of Neuropathic Pain. NEUROSCI BULL. 2023 Aug;;1-17 IHC ;Mouse. 37639183
- **[IF=5.085]** Venosa Alessandro. et al. Role of CCR2+ Myeloid Cells in Inflammation Responses Driven by Expression of a Surfactant Protein-C Mutant in the Alveolar Epithelium. Front Immunol. 2021 Apr;12:1348 IHC ;Mouse. 33968067
- **[IF=5.246]** Yin Zhuang. et al. Exosomes Secreted by Nucleus Pulposus Stem Cells Derived From Degenerative

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Intervertebral Disc Exacerbate Annulus Fibrosus Cell Degradation via Let-7b-5p. *Front Mol Biosci.* 2021; 8: 766115 WB  
;Human. 35111808