

**bs-12327R****[ Primary Antibody ]****CD59 Rabbit pAb****BioSS**  
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <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> (predicted: Human)   <b>Predicted MW.:</b> 9 kDa  <b>Subcellular Location:</b> Cell membrane
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 966	<b>SWISS:</b> P13987	
<b>Target:</b> CD59		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from Human Ly6c: 26-102/128.		
<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 cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008]		

**— SELECTED CITATIONS —**

- **[IF=8.754]** Xi-Xi Ni. et al. Regulation of the macrophage-hepatic stellate cell interaction by targeting macrophage PPAR $\gamma$  to prevent NASH progression in mice. LIVER INT. 2022 Sep;; IF ;MOUSE. 36165186
- **[IF=7.129]** Huanliang Liu. et al. Different exposure modes of PM2.5 induces bronchial asthma and fibrosis in male rats through macrophage activation and immune imbalance induced by TIPE2 methylation. ECOTOX ENVIRON SAFE. 2022 Dec;247:114200 IHC ;Rat. 36274320
- **[IF=5.029]** Hanhan Fang. et al. Gut-Spleen Axis: Microbiota via Vascular and Immune Pathways Improve Busulfan-Induced Spleen Disruption | mSphere. MSPHERE. 2022 Dec;; IF ;MOUSE. 36511706
- **[IF=4.1]** Meenakshi Choudhary. et al. Fabrication of Nanomolecular Platform based Immunosensor for Non-invasive Electrochemical Detection of Oral Cancer: An in vitro Study. Talanta Open. 2024 Sep;;100352 ;Human. 10.1016/j.talo.2024.100352
- **[IF=2.81]** Nashine et al. Differential Expression of Complement Markers in Normal and AMD Transmittochondrial Cybrids. (2016) PLoS.On. 11:e0159828 WB ;Human. 27486856