

**bs-20699R****[ Primary Antibody ]****Bioss**  
**ANTIBODIES**

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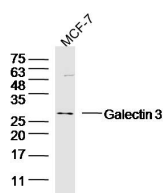
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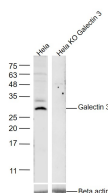
400-901-9800

**Galectin 3 Rabbit pAb****DATASHEET**

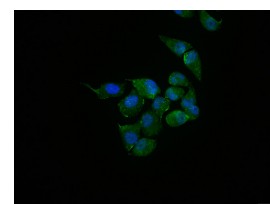
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>Flow-Cyt</b> (1 $\mu$ g/Test) <b>ICC/IF</b> (1:100)  <b>Reactivity:</b> Human (predicted: Rat)  <b>Predicted MW.:</b> 29 kDa  <b>Subcellular Location:</b> Secreted ,Cell membrane ,Cytoplasm ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 3958	<b>SWISS:</b> P17931	
<b>Target:</b> Galectin 3		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Galectin 3: 121-200/250.		
<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 member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]		

**VALIDATION IMAGES**

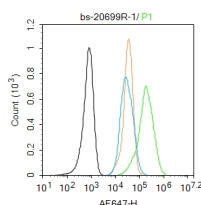
Sample: MCF-7 (human) Cell Lysate at 40  $\mu$ g  
 Primary: Anti-Galectin 3 (bs-20699R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 29 kD  
 Observed band size: 27 kD



Sample: HeLa (Human) Cell Lysate at 30  $\mu$ g  
 Primary: Anti-Galectin 3 (bs-20699R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 29 kD  
 Observed band size: 29 kD



HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Galectin 3) polyclonal Antibody, Unconjugated (bs-20699R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-Galectin 3 antibody (bs-20699R) Dilution: 1 $\mu$ g/10<sup>6</sup> cells; Isotype

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

Control Antibody (orange line): Rabbit IgG .  
Secondary Antibody : Goat anti-rabbit IgG-AF647  
Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then 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.

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## — SELECTED CITATIONS —

- **[IF=11.4]** Yan Meng. et al. GPNMB+Gal-3+ hepatic parenchymal cells promote immunosuppression and hepatocellular carcinogenesis. EMBO J. 2023 Dec;42(24):e114060 FCM ;Rat. 38009297