

**bs-0945R****[ Primary Antibody ]**

## Human Serum albumin Rabbit pAb, Loading Control

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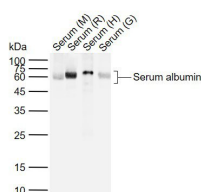
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### — DATASHEET —

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| <b>Host:</b> Rabbit<br><b>Clonality:</b> Polyclonal<br><b>GeneID:</b> 213<br><b>Target:</b> Human Serum albumin<br><b>Purification:</b> affinity purified by Protein A<br><b>Concentration:</b> 1mg/ml<br><b>Storage:</b> 0.01M TBS (pH7.4) with 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.<br><b>Background:</b> This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor. [provided by RefSeq, Jul 2016] | <b>Isotype:</b> IgG<br><b>SWISS:</b> P02768 | <b>Applications:</b> WB (1:500-2000)<br><b>Reactivity:</b> Human, Mouse, Rat, Goat (predicted: Dog)<br><b>Predicted MW.:</b> 69 kDa<br><b>Observed MW.:</b> 62 kDa<br><b>Subcellular Location:</b> Secreted |
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### — VALIDATION IMAGES —



Sample: Lane 1: Mouse Serum Lane 2: Rat Serum  
 Lane 3: Human Serum Lane 4: Goat Serum  
 Primary: Anti-Human Serum albumin (bs-0945R)  
 at 1/1000 dilution Secondary: IRDye800CW Goat  
 Anti-Rabbit IgG at 1/20000 dilution Predicted  
 band size: 69 kDa Observed band size: 62 kDa

### — SELECTED CITATIONS —

- **[IF=5.7]** Yiming Ma. et al. A self-assembled HSA-ICG nanoprobe enables accurate photoacoustic thermometry and feedback-controlled tumor photothermal therapy. BIOMATER SCI-UK. 2026 Mar;; . 41860291
- **[IF=4.1]** Woojin Back. et al. Charge-Based Isolation of Extracellular Vesicles from Human Plasma. ACS OMEGA. 2024;XXXX(XXX):XXX-XXX WB ;Human. 38680311
- **[IF=4.04]** Xia, Tingting, et al. "A novel magnetic/photoluminescence bifunctional nanohybrid for the determination of trypsin." Talanta (2017). Other ;="". 28501171
- **[IF=3.998]** Jik-Han Jung. et al. Dual size-exclusion chromatography for efficient isolation of extracellular vesicles from bone marrow derived human plasma. Sci Rep-Uk. 2021; 11: 217 WB ;Human. 33436891
- **[IF=2.775]** Sheng Deng. et al. Xuefu Zhuyu decoction improves asthma-induced asthenozoospermia based on network pharmacology and in vivo experiment. 2021 Aug 10 WB,IHC ;Rat. 34375006

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