

**bs-55039R****[ Primary Antibody ]****CD44 Rabbit pAb****Bioss**  
**ANTIBODIES**

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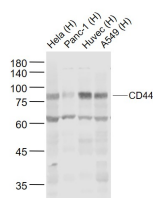
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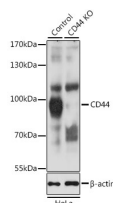
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 960 <b>Target:</b> CD44 <b>Immunogen:</b> Recombinant human CD44: 148-247/742. <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> The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis. [provided by RefSeq, Jul 2008].	<b>Isotype:</b> IgG <b>SWISS:</b> P16070	<b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Human, Rabbit (predicted: Mouse, Rat, Pig, Cow, Dog, Horse) <b>Predicted MW.:</b> 82 kDa <b>Subcellular Location:</b> Cell membrane
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**— VALIDATION IMAGES —**

Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug  
Lane 2: Panc-1 (Human) Cell Lysate at 30 ug  
Lane 3: Huvec (Human) Cell Lysate at 30 ug  
Lane 4: A549 (Human) Cell Lysate at 30 ug  
Primary: Anti-CD44 (bs-55039R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 83 kD  
Observed band size: 83 kD



Sample: Lane 1: Human HeLa Cell (Control) Lysate  
Lane 2: CD44 knockout (KO) HeLa Cell Lysate  
Primary: Anti-CD44 (bs-55039R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 82 kD  
Observed band size: 90 kD

**— SELECTED CITATIONS —**

- **[IF=11.092]** Juan Cen. et al. A Water-Soluble Quercetin Conjugate with Triple Targeting Exerts Neuron-Protective Effect on Cerebral Ischemia by Mitophagy Activation. ADV HEALTHC MATER. 2022 Sep;;2200817 IHC ;Rat. 36071574
- **[IF=8.786]** Yu He. et al. Single-Cell RNA Sequencing Unravels Distinct Tumor Microenvironment of Different Components of Lung Adenocarcinoma Featured as Mixed Ground-Glass Opacity. FRONT IMMUNOL. 2022; 13: 903513 IF ;Human. 35874770
- **[IF=1]** Ma Caiyun. et al. Characteristics and Multilineage Differentiation of a Novel Type of Pulmonary Mesenchymal

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

Stem Cells Derived from Goose Embryos. BRAZ ARCH BIOL TECHN. 2024 Apr;67:e24230139 IF ;Goose.  
10.1590/1678-4324-2024230139