

**bs-4497R****[ Primary Antibody ]****CD44v3 Rabbit pAb****BioSS**  
**ANTIBODIES**

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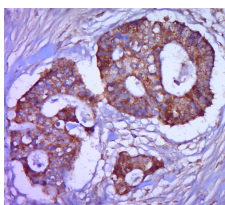
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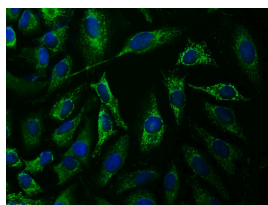
400-901-9800

**— DATASHEET —**

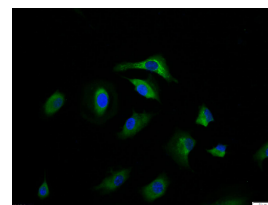
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1µg/Test) <b>ICC/IF</b> (1:100)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 960	<b>SWISS:</b> P16070	
<b>Target:</b> CD44v3		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MUTCH 1: 161-260/493.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 51 kDa  <b>Subcellular Location:</b> Cell membrane
<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].		

**— VALIDATION IMAGES —**

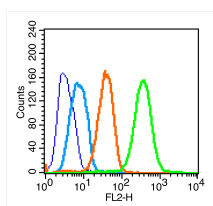
Paraformaldehyde-fixed, paraffin embedded (human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD44v3) Polyclonal Antibody, Unconjugated (bs-4497R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: 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 (CD44v3) polyclonal Antibody, Unconjugated (bs-4497R) 1:100, 90 minutes at 37°C; followed by a FITC conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Tissue/cell: A549 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 (CD44v3) polyclonal Antibody, Unconjugated (bs-4497R) 1:100, 90 minutes at 37°C; followed by a FITC 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 (blue line): U251 (fixed with 70%)

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

ethanol overnight at 4°C and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature). Primary Antibody (green line): Rabbit Anti-CD44v3 antibody (bs-4497R), Dilution: 0.2 µg / 10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1µg /test.

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## — SELECTED CITATIONS —

- **[IF=3.2]** Hao Chen. et al. CD44v6-mediated regulation of gastric cancer stem cells: a potential therapeutic target. *clinical and experimental medicine*. 2025 Mar 12;25(1):80. IHC ; Human. 40069421