

**bs-4889R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

www.bioss.com.cn

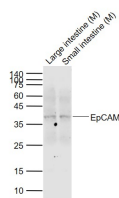
sales@bioss.com.cn

techsupport@bioss.com.cn

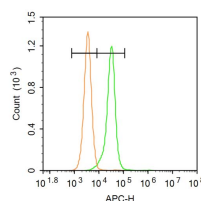
400-901-9800

**EpCAM Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 4072 <b>Target:</b> EpCAM <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human EpCAM: 101-200/314. <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 carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. [provided by RefSeq, Dec 2008]	<b>Isotype:</b> IgG <b>SWISS:</b> P16422	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>Flow-Cyt</b> (3ug/Test) <b>Reactivity:</b> Human, Mouse (predicted: Rat) <b>Predicted MW.:</b> 35 kDa <b>Subcellular Location:</b> Cell membrane
--	---	--

**— VALIDATION IMAGES —**

Sample: Lane 1: Large intestine (Mouse) Lysate at 40 ug Lane 2: Small intestine (Mouse) Lysate at 40 ug Primary: Anti-EpCAM (bs-4889R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kD Observed band size: 38 kD



Blank control: A431. Primary Antibody (green line): Rabbit Anti-TEpCAM antibody (bs-4889R) Dilution: 3µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 3µg /test. Protocol The cells were 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.

**— SELECTED CITATIONS —**

- **[IF=6.389]** Ravindra D. Wavhale. et al. Self-Propelled Catalytically Powered Dual-Engine Magnetic Nanobots for Rapid and Highly Efficient Capture of Circulating Fetal Trophoblasts. ADV MATER INTERFACES. 2022 Jul 06 Other ;Human. 10.1002/admi.202200522