

bs-0395R**[Primary Antibody]****BioSS**
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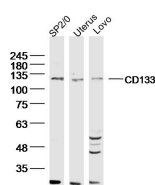
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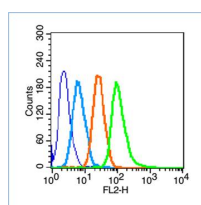
400-901-9800

CD133 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 8842 Target: CD133 Immunogen: KLH conjugated synthetic peptide derived from human CD133: 751-848/865. < Cytoplasmic > Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 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. Background: This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]	Isotype: IgG SWISS: O43490 Applications: WB (1:500-2000) Flow-Cyt (1µg/Test) Reactivity: Human, Mouse (predicted: Rat, Fruit Fly) Predicted MW.: 95 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Sample: SP2/0 (mouse) cell Lysate at 40 µg
Uterus (mouse) Lysate at 40 µg
Lovo (human) cell Lysate at 40 µg
Primary: Anti-CD133 (bs-0395R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 95 kDa
Observed band size: 115 kDa



Blank control (blue line): Hep G2 (blue). Primary Antibody (green line): Rabbit Anti-CD133 antibody (bs-0395R) Dilution: 1 µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white/blue line): Goat anti-rabbit IgG-PE Dilution: 1 µg / test. Protocol: The cells were fixed with 70% ethanol overnight at 4°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2% BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=8.38]** Alamgeer, Muhammad, et al. "The prognostic significance of aldehyde dehydrogenase 1A1 (ALDH1A1) and CD133 expression in early stage non-small cell lung cancer." *Thorax* (2013). IHC ; Human. 23878161
- **[IF=8.2]** Zhiming Shen, et al. Construction of a novel cell-free tracheal scaffold promoting vascularization for repairing

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tracheal defects. MATER TODAY BIO. 2023 Dec;23:100841 IF ;Rabbit. 37920292

- **[IF=2.81]** Wang et al. The synergistic in vitro and in vivo antitumor effect of combination therapy with salinomycin and 5-fluorouracil against hepatocellular carcinoma. (2014) PLoS.On. 9:e97414 IHC ;Mouse. 24816638
- **[IF=2.66]** Chen et al. Co-expression of CD133, CD44v6 and human tissue factor is associated with metastasis and poor prognosis in pancreatic carcinoma. (2014) Oncol.Re. 32:755-63 IHC ;Human. 24920554