

**bs-11073R****[ Primary Antibody ]****CDH18 Rabbit pAb****BioSS**  
**ANTIBODIES**

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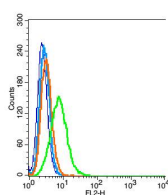
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 1016 <b>Target:</b> CDH18 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CDH18: 301-400/790. < Extracellular > <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 cadherins are a family of Ca <sup>2+</sup> -dependent adhesion molecules that function to mediate cell-cell binding events that are critical to the maintenance of cell structure and morphogenesis. EY-cadherin, also known as CDH18 (cadherin 18), CDH14 (cadherin 14), CDH24 or CDH14L, is a 790 amino acid single-pass type I membrane protein that contains five cadherin domains. One of several members of the cadherin superfamily, EY-cadherin functions as a type II classical cadherin that is expressed specifically in the central nervous system (CNS), where it plays a role in cell-cell binding events. Specifically, EY-cadherin is thought to be involved in axon guidance and outgrowth, as well as synaptic adhesion within the CNS. EY-cadherin contains a highly conserved C-terminal domain characteristic of all cadherins, but lacks the HAV cell adhesion sequence that is specific to type I cadherins. The gene encoding EY-cadherin is located within a region on chromosome five that is commonly deleted in carcinomas, implicating EY-cadherin as a potential tumor suppressor.	<b>Isotype:</b> IgG <b>SWISS:</b> Q13634 <b>Applications:</b> Flow-Cyt (1µg/Test) <b>Reactivity:</b> Rat (predicted: Human, Mouse, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse) <b>Predicted MW.:</b> 82 kDa <b>Subcellular Location:</b> Cell membrane
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**— VALIDATION IMAGES —**

Blank control: RSC96(blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 30 min.  
Isotype Control Antibody: Rabbit IgG(orange);  
Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA; Primary Antibody Dilution: 1µl in 100 µl 1X PBS containing 0.5% BSA(green).