

bsm-30026M**[Primary Antibody]****human CD29 Mouse mAb****BioSS**
ANTIBODIES

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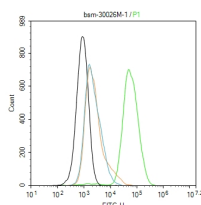
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— DATASHEET —

Host: Mouse Clonality: Monoclonal GeneID: 3688 Target: human CD29 Purification: affinity purified by Protein G Concentration: 1mg/ml Storage: Size : 100ug 0.01M TBS (pH7.4). Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Integrins alpha-1/beta-1, alpha-2/beta-1, alpha-10/beta-1 and alpha-11/beta-1 are receptors for collagen. Integrins alpha-1/beta-1 and alpha-2/beta-2 recognize the proline-hydroxylated sequence G-F-P-G-E-R in collagen. Integrins alpha-2/beta-1, alpha-3/beta-1, alpha-4/beta-1, alpha-5/beta-1, alpha-8/beta-1, alpha-10/beta-1, alpha-11/beta-1 and alpha-V/beta-1 are receptors for fibronectin. Alpha-4/beta-1 recognizes one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. Integrin alpha-5/beta-1 is a receptor for fibrinogen. Integrin alpha-1/beta-1, alpha-2/beta-1, alpha-6/beta-1 and alpha-7/beta-1 are receptors for laminin. Integrin alpha-4/beta-1 is a receptor for VCAM1. It recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-9/beta-1 is a receptor for VCAM1, cytotactin and osteopontin. It recognizes the sequence A-E-I-D-G-I-E-L in cytotactin. Integrin alpha-3/beta-1 is a receptor for epiligrin, thrombospondin and CSPG4. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration. Integrin alpha-V/beta-1 is a receptor for vitronectin. Beta-1 integrins recognize the sequence R-G-D in a wide array of ligands. Isoform beta-1B interferes with isoform beta-1A resulting in a dominant negative effect on cell adhesion and migration (in vitro). In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions.	Isotype: Mouse IgG1, k CloneNo.: 9H1 SWISS: P05556	Applications: Flow-Cyt (1ug/Test) Reactivity: Human Predicted MW.: 88 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Blank control:U87MG. Primary Antibody (green line): Mouse Anti-human CD29 antibody (bsm-30026M) Dilution: 1ug/Test; Secondary Antibody (white blue line) : Goat anti-mouse IgG-FITC Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG 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.

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

— SELECTED CITATIONS —

- **[IF=9.4]** Yongli Gao. et al. Collagen-based hydrogels induce hyaline cartilage regeneration by immunomodulation and homeostasis maintenance. ACTA BIOMATER. 2024 Jul;; IF ;Rabbit. 39067644
- **[IF=3.8]** Wang Chunjing. et al. Genetically engineered BMSCs promote dopamine secretion and ameliorate motor dysfunction in a Parkinson' s disease rat model. SCI REP-UK. 2025 Apr;15(1):1-15 IHC,FC ;Rat. 40217082