

**bsm-30093M****[ Primary Antibody ]****human CD4 Mouse mAb****BioSS**  
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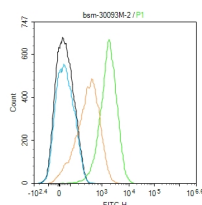
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**— DATASHEET —****Host:** Mouse**Isotype:** Mouse IgG2b**Clonality:** Monoclonal**CloneNo.:** HIT4a**GeneID:** 920**SWISS:** P01730**Target:** human CD4**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4).

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Aug 2010].

**Applications:** Flow-Cyt (2ug/Test)**Reactivity:** Human**Predicted MW.:** 48 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

Blank control (black line) :U937. Primary Antibody (green line): Mouse Anti-CD4 antibody (bsm-30093M) Dilution:2ug/Test; Secondary Antibody (white blue line) : Goat anti-mouse IgG-FITC Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Mouse 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.