

**bsm-30095M****[ Primary Antibody ]****CD45 Mouse mAb****BioSS**  
**ANTIBODIES**

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**— DATASHEET —****Host:** Mouse**Isotype:** Mouse IgG1, k**Clonality:** Monoclonal**CloneNo.:** HI30**GeneID:** 5788**SWISS:** P08575**Target:** CD45**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml**Storage:** Size : 100ug

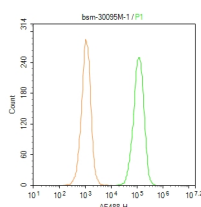
0.01M TBS (pH7.4).

Size : 200ug (PBS only)

0.01M PBS

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

**Background:** The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus belongs to receptor type PTP. This gene is specifically expressed in hematopoietic cells. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling

**Applications:** Flow-Cyt (1ug/Test)**Reactivity:** Human**Predicted MW.:** 143 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

Blank control: Molt4. Primary Antibody (green line): Mouse Anti-CD45 antibody (bsm-30095M)  
 Dilution: 1µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Mouse IgG . Secondary Antibody : Goat anti-mouse IgG-AF488 Dilution: 1µg /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.