

**bsm-30118M****[ Primary Antibody ]****human CD45RO Mouse mAb****Bioss**  
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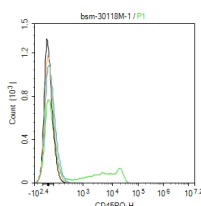
400-901-9800

**— DATASHEET —****Host:** Mouse**Isotype:** Mouse IgG2a, k**Applications:** Flow-Cyt (1ug/Test)**Clonality:** Monoclonal**CloneNo.:** 45F3**Reactivity:** Human**Target:** human CD45RO**Purification:** affinity purified by Protein G**Storage:** 0.01M PBS (pH7.4).

Store at 2-8°C. Protect from light. Avoid freezing.

**Subcellular Location:** Cell membrane

**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

**— VALIDATION IMAGES —**

The Peripheral Blood Mononuclear Cells(H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).  
Primary Antibody (green): Mouse Anti-CD45RO antibody (bsm-30118M): 1 µg/10<sup>6</sup> cells;  
Secondary Antibody (white blue): Goat anti-Mouse IgG-FITC (bs-40296G-FITC): 1 µg/test.  
Isotype Control (orange): Mouse IgG (bs-0296P).  
Blank control (black): PBS. Acquisition of 20,000 events was performed.