

human CD45RO Mouse mAb

Catalog Number: bsm-30118M

Target Protein: human CD45RO

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 45F3

Isotype: Mouse IgG2a, k

Applications: Flow-Cyt (1ug/Test)

Reactivity: Human

Detected MW: 220 kDa

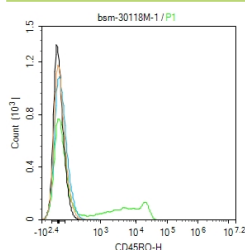
Purification: affinity purified by Protein G

Storage: 0.01M TBS (pH7.4).

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

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 μ g/ 10^6 cells; Secondary Antibody (white blue): Goat anti-Mouse IgG-FITC (bs-40296G-FITC): 1 μ g/test. Isotype Control (orange): Mouse IgG (bs-0296P). Blank control (black): PBS. Acquisition of 20,000 events was performed.