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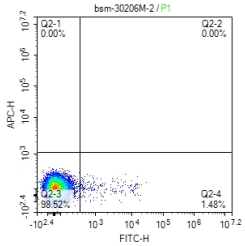
human CD123 Mouse mAb

Catalog Number:	bsm-30206M
Target Protein:	human CD123
Form:	Liquid
Host:	Mouse
Clonality:	Monoclonal
Clone No.:	3G5
Isotype:	Mouse IgG1, k
Applications:	Flow-Cyt (1:50-100)
Reactivity:	Human
Predicted MW:	40 kDa
Detected MW:	70 kDa
Purification:	affinity purified by Protein G
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants encoding distinct isoforms have been found. [provided by RefSeq, Jun 2012]

VALIDATION IMAGES



scatter diagram showing peripheral blood lymphocytes stained with CD123. The cells were incubated with the antibody (bsm-30206M) for 30 min at 22°C.The secondary antibody used for 40 min at room temperature. Acquisition of >10,000 events was performed.