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## human CD25 Mouse mAb

Catalog Number: bsm-30025M

Target Protein: human CD25

Concentration: 1mg/ml

Form: Size : 100ug

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 5E9

Isotype: Mouse IgG2a, k

Applications: Flow-Cyt (1ug/Test)

Reactivity: Human

Predicted MW: 28 kDa

Detected MW: 55 kDa

Entrez Gene: 3559

Purification: affinity purified by Protein G

Storage: Size : 100ug

0.01M TBS (pH7.4).

Size : 200ug (PBS only)

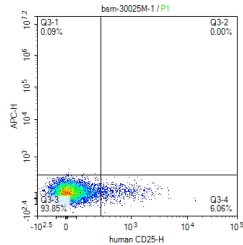
0.01M PBS

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

**Background:** The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolysis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency. Patients with severe Coronavirus Disease 2019 (COVID-19), the disease caused by the novel severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), have significantly elevated levels of

IL2R in their plasma. Similarly, serum IL-2R levels are found to be elevated in patients with different types of carcinomas. Certain IL2RA and IL2RB gene polymorphisms have been associated with lung cancer risk. [provided by RefSeq, Jul 2020]

## VALIDATION IMAGES



scatter diagram showing human peripheral blood lymphocytes stained with bsm-30025M. The cells were incubated with the antibody (bsm-30025M, 1 $\mu$ g/Test) for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of >10,000 events was performed.