

# RF647 Rat Anti-Mouse CD25

Purified RF647-conjugated Recombinant Rat Monoclonal Antibody

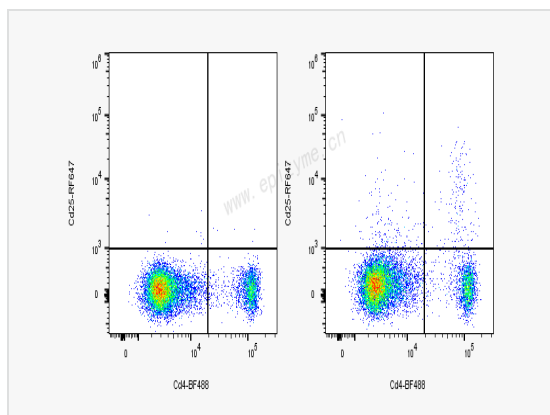
Catalog # F208016

## Product Information

|                   |                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------|
| Application       | FC                                                                                                                     |
| Recommended Usage | 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood.                                    |
| Reactivity        | Mouse                                                                                                                  |
| Host              | Rat                                                                                                                    |
| Clonality         | Monoclonal                                                                                                             |
| Clone No.         | 28D26F75                                                                                                               |
| Isotype           | IgG1, λ                                                                                                                |
| Label             | RF647 (Ex/Em: 650/671 nm)                                                                                              |
| Immunogen         | Recombinant protein of mouse CD25                                                                                      |
| Format            | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA.                                 |
| Storage           | Shipped on wet ice. Store undiluted between 2°C and 8°C and protected from prolonged exposure to light. Do not freeze. |
| Precautions       | RF647 Rat Anti-Mouse CD25 [28D26F75] is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms          | CD25; IL2r; IL2ra; Interleukin-2 receptor subunit alpha; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA; p55.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Uniprot ID        | P01590                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene ID           | 16184                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Background        | Enables interleukin-2 binding activity and interleukin-2 receptor activity. Acts upstream of or within several processes, including Notch signaling pathway; activation-induced cell death of T cells; and regulation of T cell proliferation. Located in external side of plasma membrane. Is expressed in bone marrow and yolk sac. Used to study Sjogren's syndrome and inflammatory bowel disease. Human ortholog(s) of this gene implicated in immunodeficiency 41; lymphopenia; multiple sclerosis; type 1 diabetes mellitus; and type 1 diabetes mellitus 10. Orthologous to human IL2RA (interleukin 2 receptor subunit alpha). [provided by Alliance of Genome Resources, Jul 2025] |
| Cellular Location | Membrane; Single-pass type I membrane protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



Typical flow-cytometry plots of mouse C57BL/6J splenocytes stained with anti-CD4-BF488 (F100206) and anti-CD25-RF647 (F208016) (right) or with anti-CD4-BF488 (F100206) alone as a control (left).