

## IVMB0498

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### Product Information

<b>Product SKU:</b> IVMB0498	<b>Clone:</b> Hu107	<b>Target:</b> CD25
<b>Size:</b> 100 µg		<b>Isotype:</b> Human IgG1k

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### Additional Information

<b>Reactivity:</b> Human/Rhesus Monkey/Cynomolgus Monkey	<b>Host Species:</b> Human
<b>Antibody Type:</b> Biosimilar Recombinant Human Monoclonal Antibody	<b>Expression Host:</b> HEK-293 Cells

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### Immunogen Information

**Background:** CD25, a 55 kD type I transmembrane glycoprotein, has been shown to play roles in lymphocyte differentiation, activation, and proliferation. Many resting memory T cells constitutively express IL2R $\alpha$ . It functions as the receptor for HTLV-1, resulting in its expression on neoplastic cells in adult T cell lymphoma/leukemia. CD25 (sIL-2R) has been used to track disease progression. Some additional clinical applications include Chagas disease, a disease characterized by a decline of CD25 expression on immune cells, and Multiple sclerosis, in which treatments with mAbs target CD25. Anti-Human IL-2R alpha (CD25) (Basiliximab) utilizes the same variable regions from the therapeutic antibody Basiliximab making it ideal for research projects.

**Product Concentration:** 0.2 mg/ml

**Applications:** FC

**Synonyms:** IL-2-RA; IL2-RA; TAC antigen; p55; CD25

**Antigen Distribution:** IL-2R $\alpha$  is expressed on activated mature T and B lymphocytes, during early stages of thymocytes development, pre-B cells, and in activated CD4+ memory T-lymphocytes.

**Immunogen:** Human CD25

**Formulation:** This Dylight 488 conjugate is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

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- Specificity:** This non-therapeutic biosimilar antibody uses the same variable region sequence as the therapeutic antibody Basiliximab. Basiliximab recognizes human CD25. This product is for research use only.
- Pathogen Testing:** -
- Storage & Handling:** This DyLight 488 conjugate is stable when stored at 2-8°C. Do not freeze.