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**Antibody to Human Interleukin-2 Receptor**  
**MOUSE MONOCLONAL**

**Catalog Number:** AB-516  
**Quantity:** 500 micrograms  
**Format:** Lyophilized  
**Host:** Mouse  
**Isotype:** IgG2a  
**Clone:** YNRhIL2R  
**Immunogen:** Con A-activated human T cells

**Background:**

IL2-Ra is one of the three constituent subunits of the interleukin-2 (IL-2) receptor. IL-2Ra is released into the serum after increased cellular expression such as increased activation of B and T cells. Clinical manifestations of IL2-Ra elevation include autoimmune conditions and some leukemias and lymphomas.

**Specificity and Preparation:**

Mouse anti-human interleukin-2 receptor (IL-2R, CD25) is purified over an ion exchange column. Protein concentration is 1 mg/ml in PBS (after reconstitution).

**Usage and Storage:**

Reported to be effective for blocking 70-80% of CTLL proliferative response to 50 units of r.human IL-2 (1:50 dilution) and staining 70% of PHA-activated human T cells (by flow cytometry, 10 $\mu$ l will stain 10<sup>6</sup> IL-2R positive cells for flow cytometry or sorting).  
Reconstitute with sterile H<sub>2</sub>O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. Store lyophilized material at 4°C in dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable for two years lyophilized, one month in solution at 4°C.

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