



## Peninsula Laboratories, LLC

A Member of the Bachem Group

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### Monoclonal Antibody To Human CD25 Marker for the IL-2 Receptor alpha chain

Monoclonal antibody 143-13 recognizes the CD25 antigen. D25, the IL-2 receptor alpha chain, associates with CD122 and the common gamma chain CD132 to form the IL-2 receptor complex. It is expressed on activated T and B cells and on monocytes.

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<b>Product Number:</b>	T-1368
<b>Clone:</b>	143-13
<b>Host species, isotype:</b>	Mouse IgG1/kappa
<b>Quantity:</b>	200µg
<b>Format:</b>	Affinity purified, lyophilized  Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA), and 0.09% sodium azide as a preservative.
<b>Stability:</b>	Original vial: 1 year at 4° - 8°C  Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
<b>Applications:</b>	Tested for immunohistochemistry (IHC); has been described to work in FACS.  <b>Approximate working dilution for IHC:</b> Frozen sections: 3µg/ml (1:130) Paraffin sections: not tested  Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil <b>Immunogen:</b> Stimulated human leukocytes.
<b>Antigen, epitope:</b>	The antigen is CD25, a 55kD glycoprotein. The antibody recognizes epitope region C of the IL-2 receptor complex.



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**Antigen distribution:**

**Isolated cells:** The antibody stains less than 5% of resting human peripheral blood mononuclear cells in flow cytometry.

**Tissue sections:** Scattered large and small lymphocytes in germinal centers, in follicle mantle, and T-zone.

**Specificity:**

**Human:** CD25

**Other:** not tested.

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**Selected references**

Barclay, Brown et al., The Leukocyte Antigen FactsBook, 2<sup>nd</sup> edition, Harcourt Brace & Company, London, (1997)

Knapp, W. et al. (eds), Leukocyte typing IV., Oxford University Press, Oxford (1989)

For *in vitro* research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.