



BMA BIOMEDICALS

Monoclonal Antibody To Human CD25

Marker for the IL-2 Receptor alpha chain

Monoclonal antibody 143-13 recognizes the CD25 antigen. CD25, 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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1368 (Lot 01PO0801)
Clone:	143-13
Host species, isotype:	Mouse IgG1/kappa light chain
Quantity:	200µg
Format:	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.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS. Approximate working dilution for IHC: Frozen sections: 3µg/ml (1:130) Paraffin sections: not tested Optimal dilutions should be determined by the end user Suggested positive control: Human tonsil Please see www.bma.ch for protocols and general information.
Immunogen:	Stimulated human leukocyte
Protein database:	<u>human-P01589</u>
Antigen, epitope:	The antigen is CD25, a 55kD glycoprotein. The antibody recognizes epitope region C of the IL-2 receptor complex.

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

Selected references

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

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

For in vitro research only. This product contains sodium azide as a preservative.