

ANTIGENIX AMERICA Inc
1-800-558-1008
PRODUCT INFORMATION SUMMARY

Anti-Human IL 2 Receptor (CD25)

Purified Antibody	Product Number	MC270020	(0.1 mg)
Fluorescein Conjugate	Product Number	MC270030	100 tests
Phycoerythrin Conj.	Product Number	MC270070	100 tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The CD25 antigen is present on normal T lymphocytes which are activated and functionally mature, monocytes, and myeloid progenitors (1,3). It is not present on resting T, B and null cells. The CD25 antigen is also present on malignant cells from patients with human T cell lymphotropic virus-associated lymphoma/leukemia. This antibody is reactive with a cell surface marker having a molecular weight of 55 to 60 kilodaltons.

CLONE:

ANTIGENIX AMERICA clone Tu69
Characterized in III International Workshop on Leukocyte Biology

CONJUGATION:

Fluorescein isothiocyanate; R-Phycoerythrin.
Immunoglobulin chain composition: IgG1, kappa light chains.

HANDLING AND STORAGE:

All forms are supplied as 1.0 mL of liquid. Fluorochromes should be protected from prolonged exposure to light. Reagents will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4, 0.2% gelatin and 0.1% sodium azide. These preparations should be diluted in a protein-containing or other stabilizing medium to a concentration suitable for use in specific protocols. Lyophilized reagents should be stored at -20 C until reconstitution. All reagents in a liquid state should be stored at 2-8 C when not in use.

PRODUCT USE:

For flow cytometry use 10 uL per test: Purified Anti-IL2 Receptor should be diluted 1:10 - 1:40 in PBS with 0.2 % gelatin or BSA, using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:

Enumeration of activated T cells in peripheral blood by flow cytometry
Measurement of IL2 Receptor expression
Studies of Adult T Cell Leukemia, Hairy Cell Leukemia, AIDS, and other disease states.

CAUTION:

Reagents contain sodium azide, a preservative which may react with lead joints in copper drain lines to form explosive compounds. Even though reagents contain minute quantities of sodium azide, drains should be thoroughly flushed with water when reagents are discarded.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

SELECTED REFERENCES:

- 1.Uchiyama, T., Broder, S., and Waldman, T.A. 1981. A monoclonal antibody (Anti-Tac) reactive with activated and functionally mature T cells. I. Production of anti-Tac monoclonal antibody and distribution of Tac(+) cells. J. Immunol. 126:1393.
- 2.Leonard, W.J., Depper, J.M., Robb, R.J., Waldman, T.A. and Greene, W.C. 1983. Characterization of the human receptor for TCGF (T Cell Growth Factor). Proc. Natl. Acad. Sci. 80:6957.

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