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

Anti-IL2-Receptor Beta (p75)

Purified Antibody	Product Number MR280020	200 tests (0.1 mg)
FITC Conjugate	Product Number MR280030	200 tests (1.0 mL)

ANTIGEN DISTRIBUTION AND SPECIFICITY:
High affinity IL 2 Receptor is composed of at least two distinct binding components, alpha (Tac, p55) and beta (p70/75). The IL 2 Receptor Beta polypeptide appears to be essential for growth signal transduction. Anti-IL 2 Receptor Beta has been observed to block IL 2 binding to intermediate affinity IL 2 Receptor Beta sites, but not block low affinity IL 2 Receptor Alpha sites. A weak inhibition of IL 2 binding to the high affinity receptor present on YT-1 or HTLV-I infected HUT 102 cells was observed. This monoclonal antibody will specifically immunoprecipitate IL 2 covalently cross-linked to the Beta subunit.
The IL 2 Receptor Beta antigen is found on lymphocytes, monocytes and neutrophils, and other NK-like cells. ANTIGENIX anti-IL 2 Receptor Beta has been shown to stain both CD14+ and CD16+ cell populations on flow cytometry.

CLONE:
D-2 was derived from hybridization of murine myeloma (P3X63/Ag8) cells with spleen cells from BALB/c mice immunized with YT-1 cells. Affinity purified from murine ascites fluid.

CONJUGATION:
FITC ; R-Phycoerythrin.
Immunoglobulin chain composition: IgG2a, kappa light chains.

HANDLING AND STORAGE:
Purified and conjugated monoclonal antibody 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. 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 Beta should be diluted 1:10 or higher for immunohistochemcal applications, using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:
Detection of IL 2 Receptor Beta expression on T cells and NK cells in various neoplastic, autoimmune or 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. Tsudo, M., R.W. Kozak, C.K. Goldman, and T. A. Waldmann, 1986. Demonstration of a non-Tac peptide that binds interleukin 2. Proc. Natl. Academy Sciences, USA, 83:9694.

FOR RESEARCH USE ONLY. NOT INTENDED FOR THERAPEUTIC OR DIAGNOSTIC USE.