

## PRODUCT INFORMATION SUMMARY

### ANTI-T3 (CD3)

PRODUCT NUMBER M230020      Purified 0.1 mg  
PRODUCT NUMBER M230030      FITC 100 Tests

#### ANTIGEN DISTRIBUTION AND SPECIFICITY:

The human CD3 antigen is found on virtually all mature peripheral T lymphocytes. The CD3 antigen complex is internalized into T cells upon modulation by anti-CD3. The CD3 antigen is also linked to the T cell antigen receptor and has a molecular weight of 20-28 kilodaltons.

#### CLONE:

Clone S4.1 reacts with Tp19-29 antigen on T3 cells. Mitogenic for lymphocytes.

Immunoglobulin chain composition: IgG2a, kappa light chains

#### CONJUGATION:

Fluorescein isothiocyanate;

#### HANDLING AND STORAGE:

All reagents are supplied in liquid form. Conjugates will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4, 0.2% gelatin and 0.1% sodium azide. 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 to stain no more than one million cells.

#### RESEARCH APPLICATIONS:

Applications include: Functional studies involving activation and the T cell receptor, enumeration of mature T lymphocytes in peripheral blood by flow cytometry, enrichment or depletion of lymphocyte populations, and immunofluorescence or immunoenzymatic staining.

**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:**

Meuren, S.C., Fitzgerald, K.A., Hussey, R.E., Hodgdon, J.C., Schlossman, S.F. and Reinherz, E.L. 1983. Clonotypic structures involved in antigen-specific human T cell function. Relationships to the T3 molecular complex. J. Exp. Med. 157:705.

Borst, J., Prendiville, M.A., and Teshorst, C. 1982. Complexity of the human T lymphocyte-specific cell surface antigen T3. J. Immunol. 128:1560.

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