



AAA # M280020
M280030
M280070
M280035
M280075

PRODUCT INFORMATION SUMMARY

ANTI-Human CD28

Purified Antibody	Product Number	M280020	0.1 mg
FITC Conjugate	Product Number	M280030	100 Tests
Phycoerythrin Conjugate	Product No.	M280070	100 Tests
FITC Conjugate	Product Number	M280035	50 Tests
Phycoerythrin Conjugate	Product No.	M280075	50 Tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

Human CD28 is a disulphide-linked homodimer of 44 kDa molecular weight. This marker is present on a subset of T lymphocytes and some activated B lymphocytes. CD28+, CD8+ subpopulations are thought to be Cytotoxic T Lymphocytes. The ligand for CD28 is CD80 (B7) which is present on activated B cells. This antibody may be useful for research of T cell function in HIV infected, asymptomatic patients.

CLONE:

Mouse monoclonal antibody, clone E8 was purified using ion exchange chromatography.

Immunoglobulin chain composition: MOUSE IgG1.

CONJUGATION:

R-Phycoerythrin, Fluorescein Isothiocyanate

HANDLING AND STORAGE:

All forms of this monoclonal antibody are supplied as 1.0 mL of ready to use liquid (0.5 mL for 50-test size). These reagents are in a medium containing 0.01M phosphate-buffered saline, 1% BSA and 0.1% sodium azide. All reagents in a liquid state should be stored at 2-8° C when not in use or frozen in small aliquots for long-term storage.

PRODUCT USE:

For flow cytometry **use 10uL per test**. For immunohistochemistry, use enough diluted reagent to cover the tissue section or cytoprep. Working dilution should be optimized, suggested range is 1:20-1:80.

RESEARCH APPLICATIONS:

Flow cytometric studies of T cell function in HIV infected individuals.

Immunohistochemistry.

Functional Studies and role of CD28 in T cell proliferation.

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 product label description.

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