

PRODUCT INFORMATION SUMMARY

ANTI-ICAM-3 (CD50)

MA500020	Purified	0.1	mg
MA500030	FITC	100	Tests
MA500070	Phycoerythrin	100	Tests
MA500035	FITC	50	Tests
MA500075	Phycoerythrin	50	Tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The human CD50 antigen is the third receptor for LFA-1 and is a 110 kDa N-glycosylated monomer. The CD50 antigen molecule is a focal point for leucocyte interactions and involved in signal transduction across the plasma membrane. Also designated InterCellular Adhesion Molecule (ICAM-3), it is phosphorylated during T-cell activation. CD50 is found on a wide distribution of leukocytes

CLONE:

ANTIGENIX AMERICA clone 1D2

Immunoglobulin chain composition: Mouse IgG1

Immunogen: Activated PBMC.

CONJUGATION:

Fluorescein isothiocyanate; R-Phycoerythrin.

HANDLING AND STORAGE:

All forms are supplied as 1.0 mL of liquid, or 0.5 mL for 50-test size. 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:

Use **10 uL per test** to stain no more than one million cells.;
For immuno-histochemistry, purified Anti-ICAM-3 should be
diluted, using enough reagent to cover the tissue section or
cytoprep.

RESEARCH APPLICATIONS:

Studies of signal transduction.

Studies of serum free CD50 in Systemic Lupus Erythematosus
(SLE).

Studies of cell adhesion involving LFA-1 (CD11/CD18 complex).

Flow cytometric analysis of CD50 distribution.

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.

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