PRODUCT INFORMATION SUMMARY

Anti-HLA-A,B,C

(Common Framework Region)	M300022	Purified	0.1 mg
	M300030	FITC	100 Tests
	M300060	Biotin	100 Tests
	M300070	Phycoerythrin	100 Tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The HLA-A,B,C antigen is expressed on the surface of most nucleated cells. This monoclonal antibody recognizes a framework determinant residing on the heavy chain of the class I MHC antigen associated with beta 2-microglobulin.

CLONE:

Clone 8E9.4 (Purifed, FITC, PE and Biotin conjugates). Derived from hybridization of murine myeloma (NS-1) cells with spleen cells from BALB/c mice immunized with concanavalin A-activated human peripheral blood T cells. Affinity purified from murine ascites fluid.

Immunoglobulin chain composition: Mouse IgG2a, kappa light

CONJUGATION:

Fluorescein isothiocyanate; Biotin ester, R-Phycoerythrin.

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. All reagents in a liquid state should be stored at 2-8° C when not in use.

PRODUCT USE:

For flow cytometry use **10-20 uL per test;** For immuno-histochemistry, purified Anti-HLA-A,B,C should be diluted 1:80 (optimize) using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:

* Use as a positive control in all immunologic procedures detecting cell surface antigens.
* Studies on the T cell antigen receptor.
*Identification of class I MHC antigens in the absence of Beta -2 Microglobulin.

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