

PRODUCT INFORMATION SUMMARY

Anti-HLA-A,B,C

(Common Framework Region)	M300020	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 (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.

Purified form only: Clone A1

Immunoglobulin chain composition:

Mouse IgG2a, kappa light chains (FITC, Biotin, Phycoerythrin)

Mouse IgG2b, kappa (Purified form)

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 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.

For western blot or dot blot applications, use purified (clone A1) form.

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.

Western blot analysis of class I MHC antigen - Use Purified (unconjugated) form only (clone A1).

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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