

PRODUCT INFORMATION SUMMARY

Anti-HLA-Class II (DR+DP+DQ)

Purified Antibody	Product Number	M323320	(0.1 mg)
FITC	Product Number	M323333	100 tests
Phycoerythrin	Product Number	M323377	100 Tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The HLA- class II antigen, a monomorphic determinant on the beta chain of MHC. Present on normal B cells, monocytes, macrophages, and activated T cells (1). It is also present on the majority of malignant cells of B cell origin. This monoclonal antibody is specific for a antigen of molecular weight 28 kilodaltons.

This clone has been observed to react with paraffin-embedded tissue.

CLONE: ANTIGENIX AMERICA clone 1QU9

Immunoglobulin chain composition: Mouse IgG2a,

CONJUGATION:

Fluorescein isothiocyanate; R-phycoerythrin;

HANDLING AND STORAGE:

All forms provided as 1.0 ml. Conjugates should be protected from prolonged exposure to light. Reagents will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4, 1.0% BSA 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. For **long term storage**, small aliquots of undiluted reagent (unconjugated form only) may be frozen at -20° C.. Avoid repeat freeze-thaw cycles.

PRODUCT USE:

For flow cytometry **use 10 uL per test**. For immunohistochemistry, purified Anti-HLA-DR+DP+DQ should be diluted approx. 1:40 (optimize), using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:

Staining of formalin-fixed, paraffin embedded tissue has been achieved with this clone. Antigen-retrieval techniques may enhance staining.

Enumeration of peripheral blood lymphocytes and monocytes bearing HLA-class II antigen by flow cytometry.

Studies to characterize hematopoietic malignancies.

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.

ANTIGENIX AMERICA, Inc.

WWW.ANTIGENIX.com

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