

PRODUCT INFORMATION SUMMARY

Anti- Beta 2 MICROGLOBULIN

Purified Antibody	Product Number	M310020	(0.1 mg)
FITC Conjugate	Product Number	M310030	100 Tests
Phycoerythrin	Product Number	M310070	100 Tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

Beta 2-Microglobulin is found on the cell surface of most nucleated cells. This monoclonal antibody recognizes Beta 2-Microglobulin which is associated with class I MHC antigens and has a molecular weight of 12 kilodaltons (1).

CLONE:

ANTIGENIX AMERICA clone C21 purified from murine ascites fluid.

Immunoglobulin chain composition: Mouse IgG2b, kappa light chains.

CONJUGATION:

Fluorescein isothiocyanate; **R-Phycoerythrin**

HANDLING AND STORAGE:

All conjugates 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 dark, at 2-8° C when not in use.

For most applications (flow Cytometry) use 10 uL of undiluted reagent per test (stain no more than one million cells).

RESEARCH APPLICATIONS:

Applications include: Enumeration of Beta 2-Microglobulin positive cells by flow cytometry, detection of soluble Beta 2-Microglobulin in AIDS and other diseases, and 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.

SELECTED REFERENCES:

1. Zolla-Pazner, S., William, D., El-Sadr, W., Marmor, M., and Stahl, R. 1984. Quantitation of beta 2-microglobulin and other immune characteristics in a prospective study of men at risk for acquired immunodeficiency syndrome. J. Am. Med. Assoc. 251:2951.

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