

PRODUCT INFORMATION SUMMARY

ANTI-CD74

M740020	Purified	0.1	mg
M740030	FITC	100	tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The human CD74 antigen is involved in MHC-II restricted antigen presentation and processing. This marker is a type II integral membrane glycoprotein present on the nuclear membrane of B cells. Molecular weight of 35 kDa, this antibody immunoprecipitates three molecules (weak 41, 35, strong 33 kDa bands). Found on cell surface of resting and activated B cells. Staining of both frozen and **paraffin-embedded tissue** sections has been achieved.

CLONE:

ANTIGENIX AMERICA clone LN2

Immunoglobulin chain composition: Mouse IgG1

CONJUGATION: FITC

HANDLING AND STORAGE:

Supplied as 1.0 mL of liquid. Reagents will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4, 1% 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.

PRODUCT USE:

Use **10 uL per test** to stain no more than one million cells.; Further dilute (optimize) for histology.

RESEARCH APPLICATIONS:

- * Studies of B lymphocytes of mantle zone and follicular center..
- * Flow cytometric analysis of CD74 bearing cells.
- * Distinguishing B cell lymphomas from T cell lymphomas.
- * Reacts with Pre-B and B lineage ALL, B-CLL and hairy cell leukemia.
- * Reacts with B-cell non-Hodkins lymphoma
- * Reacts with small cleaved lymphomas strongly.
- * Reacts with large cell lymphomas, mononuclear Hodgkins cells and Reed-Sternberg cells
- * Reacts with some epithelial tumors including those of uterus, bladder and lung.

REFERENCE:

Epstein, A.L., et al, J. Immunology, V: 133, 1028-1036 (1984)

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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DIAGNOSTIC USE.**