

PRODUCT INFORMATION SUMMARY

ANTI-CD20

M200020	Purified	0.1	mg
M200030	FITC	100	tests
M200070	Phycoerythrin	100	tests
M200090	PE/Cy-5	50	tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The human CD20 antigen is a marker on pre-B cells and activated or resting B cells, but ABSENT from plasma cells and pro-B cells. It is also found on neoplastic B cells, some non-T ALL cells. The CD20 antigen with molecular weight of 33/35/37 kDa, is membrane -embedded and non-glycosylated. Only a minor portion of the molecule is exposed on the cell surface.

In normal lymph nodes, CD 20 is expressed on B cells in germinal centers, with lower density expression in the mantle zone. CD20 is associated with Ca transport and regulation of B cell proliferation.

CLONE: ANTIGENIX AMERICA clone B-9
Immunoglobulin chain composition: Mouse IgG2a

CONJUGATION:

Fluorescein isothiocyanate; R-Phycoerythrin, PE/Cy-5 tandem

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. Small aliquots of purified (unconjugated only) reagent may be frozen, undiluted, at -20°C. Avoid freeze-thaw cycles.

PRODUCT USE:

Use **10 uL per test** to stain no more than one million cells.;
For immuno-histochemistry, purified Anti-CD20 should be diluted,
using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:

- * Studies of B cell leukemias and B cell differentiation.
- * FACS analysis of CD20 bearing cells.
- * Immunocytochemistry (frozen tissue)

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