

AAA



#M230022

## PRODUCT INFORMATION SUMMARY

### ANTI-CD23

(Paraffin Reactive)

M230022

Purified

0.1 mg

#### ANTIGEN DISTRIBUTION AND SPECIFICITY:

The human CD23 antigen is a B cell differentiation antigen which acts as a low affinity IgE receptor ( Fc $\epsilon$ ER<sub>2</sub> ). It is found on follicular mantle B cells, but very occasionally in the germinal centers or splenic marginal zones. This anti-CD23 antibody gives a characteristic binding pattern with follicular dendritic cells, and does not stain plasma cells or B cell progenitors. Expression of CD23 is increased on active B cells. The CD23 antigen with molecular weight of 45-50 kDa, is a transmembrane - glycoprotein. Reactivity in both frozen and paraffin-embedded tissue has been observed.

**CLONE:** ANTIGENIX AMERICA clone BU38  
Immunoglobulin chain composition: Mouse IgG1

#### HANDLING AND STORAGE:

All forms are supplied as 1.0 mL of liquid. Reagents will be in a medium containing 0.01M phosphate-buffered saline, pH 7.4, with 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. Small aliquots of purified (unconjugated only) reagent may be frozen, undiluted, at -20°C. Avoid freeze-thaw cycles.

#### PRODUCT USE:

For immuno-histochemistry, purified Anti-CD23 should be diluted (optimize), using enough reagent to cover the tissue section or cytoprep.

#### RESEARCH APPLICATIONS:

- \* Studies of B cell leukemias and B cell differentiation.
- \* FACS analysis of CD23 bearing cells.
- \* Immunocytochemistry (frozen and paraffin-embedded tissue)
- \* Immunoprecipitation