

ANTI-CD40

M400020 Purified 0.2 mg

M400030 FITC 150 tests

ANTIGEN DISTRIBUTION AND SPECIFICITY:

The human CD40 antigen, found on all mature B lymphocytes but absent on plasma cells. This antibody stimulates cell cycle progression, and homotypic adhesion. It is also found on lymphoid dendritic cells, some epithelial cells, and carcinomas. CD40 antigen may be a receptor for a soluble ligand that promotes B cell proliferation.

Reactive in paraffin-embedded tissue sections.

CLONE: clone B20

Immunoglobulin chain composition: Mouse IgG1

CONJUGATION: Fluorescein isothiocyanate;

HANDLING AND STORAGE:

Supplied as liquid preparation, 100 tests per mL. Fluorochromes should be protected from prolonged exposure to light. 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:

Use **10 uL per test** to stain no more than one million cells.; For immunohistochemistry, purified Anti-CD40 should be diluted (optimize), using enough reagent to cover the tissue section or cytoprep.

RESEARCH APPLICATIONS:

- * Studies peripheral B cells by flow cytometry
- * Immunocytochemistry (frozen and **paraffin-embedded** tissue)
- * Adhesion receptor studies

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.

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