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TECHNICALLY *Speaking*

Place your order with CEDARLANE® or your local distributor.

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FITC Mouse Anti-Human CD40 Monoclonal Antibody

CLX216F

Lot:

Clone: HI40a

Isotype: Mouse IgG1

Specificity: The antibody HI40a recognizes CD40 (BP50), a 48 KD type I single chain transmembrane glycoprotein expressed on normal and neoplastic B cells, but not on terminally differentiated plasma cells. CD40 antigen is also present on Hodgkin's and Reed-Sternberg cells, follicular dendritic cells, some macrophages, basal epithelial cells and endothelial cells.

Species Reactivity: Human

Preparation: The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in phosphate buffered saline (PBS) containing 15 mM sodium azide and 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) as a stabilizing agent.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.

Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using 20 ml reagent / 100 ml of whole blood or 10⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

Background: **CD40** is a glycoprotein important for T-B lymphocytes interactions. The ligand for CD40 is CD154 (CD40L). The function of CD40 is involved in growth, differentiation, and isotype-switching on B cells and also involved to rescue B cells from apoptosis.

This product is made available in collaboration with Exbio Praha, a.s.

Laboratory Reagent For Research Use Only

JV 09/13/07

For more information or to place an order please contact...

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