ALPHA DIAGNOSTIC INTERNATIONAL

LIFE TECH Life Technologies™ Your Molecular & Cell Technology Partner

Catalog# **CD40PC-100** **Size** **100 ug**

Mouse Anti-Human CD40

PRODUCT INFORMATION

CLONE: HI40a
ISOTYPE: Mouse IgG2b
Product Forms: Purified, FITC conjugation.

DESCRIPTION

CD40 McAb recognizes 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 and Reed-sternberg cells, follicular dendritic cells, some macrophages, basal epithelial cells and endothelial cells. 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.

PREPARATION

The monoclonal antibody is purified from ascites by protein G affinity chromatography and is conjugated with FITC under optimum conditions.

USAGE

The purified reagent is effective for indirect immunofluorescence staining of human cells for flow cytometric analysis.
The conjugated reagent (FITC) is tested for flow cytometric analysis using 20µl/10^6 cells or 100µl peripheral blood cells.

STORAGE

For purified forms, long term storage at -20☐.
For conjugated forms, storage at 4☐, should not be frozen and avoid prolonged exposure to light.

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