

A Reliable Research Partner in Life Science and Medicine

# CD40/TNFRSF5 Monoclonal Antibody

catalog number: AN200109P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Human

**Immunogen** Recombinant Human CD40 / TNFRSF5 protein

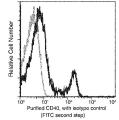
Host Mouse Isotype lgG1 Clone A957 **Purification** Protein A

Buffer 0.2 µm filtered solution in PBS

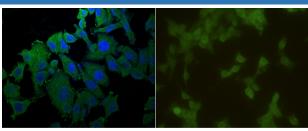
#### **Applications Recommended Dilution**

1:20-1:100 ICC/IF **FCM** 1:25-1:100

#### Data



Flow cytometric analysis of human CD40 expression on human whole blood lymphocytes. Human whole blood lymphocytes were stained with purified anti-Human CD40, then a FITC-conjugated second step antibody. The histogram were derived from gated events with the forward



Immunofluorescence analysis of Human CD40 in Hep G2 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Mouse anti-Human CD40 Monoclonal Antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Antiand side light-scatter characteristics of viable lymphocytes. mouse IgG secondary antibody (left panel, captured by laser confocal scanning microscope; right panel, captured by fluorescence microscope), countstained with DAPI for nuclear staining (blue). Positive staining was localized to cytoplasm and cytomembrane.

## **Preparation & Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of Storage

> activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

**Shipping** Ice bag

## **Background**

CD40 is a type I transmembrane glycoprotein belonging to the TNF receptor superfamily. The mature hCD40 consists of a 172 amino acid (aa) extracellular domain, a 22 aa transmembrane region and a 62 aa cytoplasmic domain. Human and mouse CD40 share 62% aa identity. CD40 is expressed in B cells, follicular dendritic cells, dendritic cells, activated monocytes, macrophages, endothelial cells, vascular smooth muscle cells, and several tumor cell lines.

## For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com Rev. V1.2