

## 30-1017: Anti-CD40 Monoclonal Antibody (Clone:HI40a)-Azide free

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	HI40a
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD40
<b>Gene ID :</b>	958
<b>Uniprot ID :</b>	P25942
<b>Format :</b>	Azide free
<b>Alternative Name :</b>	TNFRSF5
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Human CD40a

### Description

CD40 is a costimulatory molecule of the TNF receptor superfamily and is expressed on many cell types, such as B cells, monocytes/macrophages, dendritic cells, endothelial cells, fibroblasts or vascular smooth muscle cells. Interaction of CD40 and its ligand CD154 (CD40L) is required for the generation of antibody responses to T-dependent antigens as well as for the development of germinal centers and memory B cells. In monocytes/macrophages CD40 engagement induces production of pro-inflammatory cytokines and chemokines. CD40-CD154 interactions are also critical for development of CD4 T cell-dependent effector functions. CD40 links innate and adaptive immune responses to bacterial stimuli and serves as an important regulator affecting functions of other costimulatory molecules.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

**Flow Cytometry** The purified antibody is effective for indirect immunofluorescence staining of human cells by flow cytometry analysis using 1  $\mu$ g/ml.