

## Anti-CD40 Antibody (8Z859)

## Product Details

|               |              |
|---------------|--------------|
| Ig Type:      | Mouse IgG1   |
| Reactivity:   | Human        |
| Conjugation:  | Unconjugated |
| Clone:        | 8Z859        |
| Purification: | Protein A    |

## Applications

|                    |   |
|--------------------|---|
| Verified Activity: | <p>1. Immunofluorescence staining 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 Anti-mouse IgG secondary antibody (left panel, captured by laser confocal scanning microscope; right panel, captured by fluorescence microscope), countstained with DAPI (blue). Positive staining was localized to cytoplasm and cytomembrane.</p> <p>2. 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 and side light-scatter characteristics of viable lymphocytes.</p> |
| Application:       | FCM,ICC/IF  |
| Recommended        | ICC-IF: 1:20-1:100; FCM: 1:25-1:100   |

## Properties

|                      |  |
|----------------------|--|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free. |
| Shipping:            | Shipping with blue ice.  |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | Recombinant Protein: Human CD40 / TNFRSF5 protein (TMPY-01181)   |
| Antigen Species: | Human  |
| Synonyms:        | HIGM1;Tnfrsf5;Igm;gp39;T-BAM;CD40 molecule, TNF receptor superfamily member 5;p50; AI326936;Bp50;IMD3;TRAP |
| Biology Area:    | Cancer Drug Targets  |

## Research Background

CD40, also known as TNFRSF5, is a member of the TNF receptor superfamily which are single transmembrane-spanning glycoproteins. CD40 protein plays an essential role in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. CD40 protein is expressed in B cells, dendritic cells, macrophages, endothelial cells, and several tumor cell lines. Defects in CD40 result in hyper-IgM immunodeficiency type 3 (HIGM3). In addition, CD40/CD40L interaction is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Cancer Immunotherapy Co-stimulatory Immune Checkpoint

## A DRUG SCREENING EXPERT

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TargetsImmune CheckpointImmune Checkpoint Detection: AntibodiesImmune Checkpoint Detection: ELISA  
AntibodiesImmune Checkpoint Detection: FCM AntibodiesImmune Checkpoint Detection: ICC AntibodiesImmune  
Checkpoint Detection: IP AntibodiesImmune Checkpoint Detection: WB AntibodiesImmune Checkpoint  
ProteinsImmune Checkpoint TargetsImmunotherapyTargeted Therapy

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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