

## CD30 Monoclonal Antibody

### Description

|                                |   |
|--------------------------------|---|
| <b>Product type</b>            | Antibody  |
| <b>Code</b>                    | BT-MCA4424  |
| <b>Host</b>                    | Mouse   |
| <b>Isotype</b>                 | Mouse IgG1  |
| <b>Size</b>                    | 100µL, 50µL   |
| <b>Immunogen</b>               | Purified recombinant fragment of human CD30 (AA: 416-595) expressed in E. Coli. |
| <b>Mol wt</b>                  | 63.7kDa   |
| <b>Species reactivity</b>      | Others  |
| <b>Clonality</b>               | Monoclonal  |
| <b>Recommended application</b> | ICC,FCM   |
| <b>Concentration</b>           | N/A   |
| <b>Full name</b>               | N/A   |
| <b>Synonyms</b>                | TNFRSF8;Ki-1;D1S166E  |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

### Recommended Dilution

WB: 1:500 - 1:2000

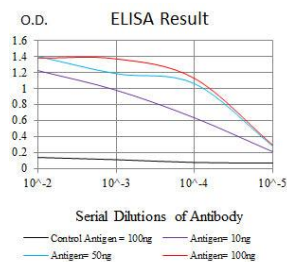
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

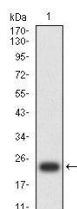
ELISA: 1:10000

Not yet tested in other applications.

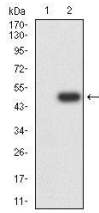
### Images



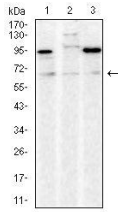
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



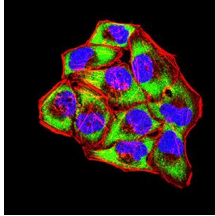
Western blot analysis using CD30 mAb against human CD30 (AA: 416-595) recombinant protein. (Expected MW is 22.4 kDa)



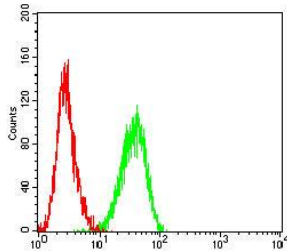
Western blot analysis using CD30 mAb against HEK293-6e (1) and CD30 (AA: 416-595)-hIgGFc transfected HEK293-6e (2) cell lysate.



Western blot analysis using CD30 mouse mAb against HeLa (1), MCF-7 (2), and HCT116 (3) cell lysate.



Immunofluorescence analysis of HeLa cells using CD30 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of Jurkat cells using CD30 mouse mAb (green) and negative control (red).

### Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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