

## CD30 monoclonal antibody

Catalog: MB66955

Host: Mouse

Reactivity: Human

### BackGround:

TNFRSF8/CD30 is a type-I transmembrane glycoprotein that is a member of the TNFR superfamily. CD30 is synthesized as a precursor protein that undergoes extensive post-translational modification before becoming embedded in the plasma membrane as a 120-kDa transmembrane protein. The expression of CD30 is upregulated in activated T cells and may trigger costimulatory signaling pathways upon its engagement. While its expression is normally restricted to subsets of activated T cells and B cells, CD30 expression is robustly upregulated in hematologic malignancies, such as Hodgkin lymphoma (HL), anaplastic large cell lymphoma (ALCL), and adult T-cell leukemia, thus making it an attractive target for therapeutic intervention. Research studies have suggested that in certain disease contexts, CD30 recruits TRAF2 and TRAF5 adaptor proteins to drive NF-kappa B activation, aberrant cell growth, and cytokine production. CD30 signaling is also regulated by TACE-dependent proteolytic cleavage of its ectodomain, which results in reduced CD30L-dependent activation of CD30+ cells.

### Product:

Mouse IgG1. Supplied in crude ascites with 0.01% sodium azide.

### Molecular Weight:

~ 95 kDa

### Swiss-Prot:

P28908

### Purification&Purity:

### Applications:

WB (1/500 - 1/1000)

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of CD30 protein.

### DATA:



Western blot analysis of CD30 expression in K562 (A) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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