10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CD30 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1674a

Specification

CD30 Antibody - Product Information

Application	**E, WB, FC**
Primary Accession	P28908
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**

Description
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.

Immunogen
Purified recombinant fragment of human CD30 expressed in E. Coli.

Formulation
Ascitic fluid containing 0.03% sodium azide.

CD30 Antibody - Additional Information

Gene ID 943

Other Names
Tumor necrosis factor receptor superfamily member 8, CD30L receptor, Ki-1 antigen, Lymphocyte activation antigen CD30, CD30, TNFRSF8, CD30, D1S166E

Dilution
E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CD30 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD30 Antibody - Protein Information

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Name TNFRSF8 (HGNC:11923)

Function
Receptor for TNFSF8/CD30L (PubMed:8391931). May play a role in the regulation of cellular growth and transformation of activated lymphoblasts. Regulates gene expression through activation of NF-kappa- B (PubMed:8999898).

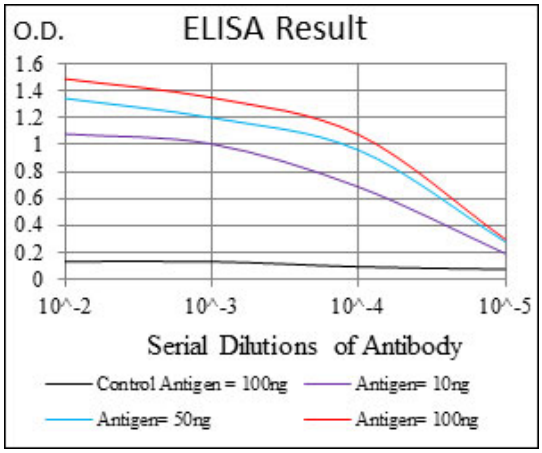
Cellular Location
[Isoform 1]: Cell membrane; Single-pass type I membrane protein

Tissue Location
[Isoform 2]: Detected in alveolar macrophages (at protein level).

CD30 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



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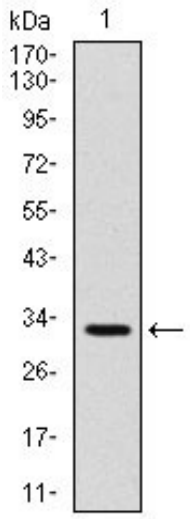

Figure 1: Western blot analysis using CD30 mAb against human CD30 (AA: 536-590) recombinant protein. (Expected MW is 32 kDa)

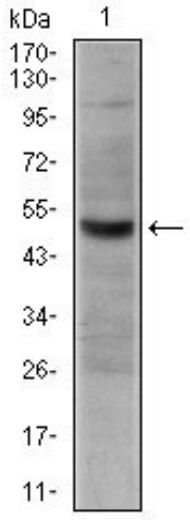

Figure 2: Western blot analysis using CD30 mouse mAb against Hela cell lysate.

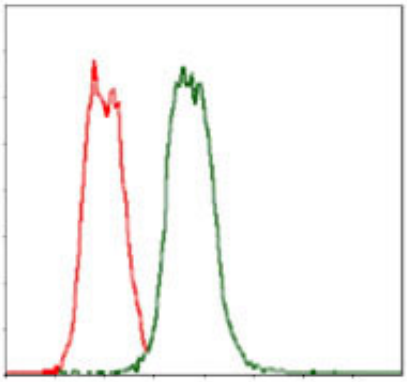

Figure 3: Flow cytometric analysis of Hela cells using CD30 mouse mAb (green) and negative control (red).

CD30 Antibody - References

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1. Exp Clin Transplant. 2009 Dec;7(4):237-40. 2. Mol Vis. 2009 Oct 17;15:2068-73.