

Datasheet: MCA6271B

Description:	MOUSE ANTI HUMAN CD30:Biotin
Specificity:	CD30
Other names:	TNFRSF8
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	D02-6E11
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			1.0 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	<i>E. coli</i> derived recombinant human full length CD30 (Phe19-Lys595)

**External Database
Links**

UniProt:

[P28908](#)

[Related reagents](#)

Entrez Gene:

[943](#)

TNFRSF8

[Related reagents](#)

Synonyms

CD30, D1S166E

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human CD30 antibody, clone D02-6E11, recognizes CD30 also known as Tumor Necrosis Factor Receptor Super Family member 8, CD30L receptor and Ki-1 antigen. CD30 is a 120 kDa transmembrane glycoprotein that belongs to the tumor necrosis factor receptor superfamily. CD30 is expressed on small subsets of activated T and B lymphocytes and a range of lymphoid neoplasms ([Weyden et al. 2017](#)).

Upon binding of its ligand CD30L, CD30 undergoes trimerization and recruits TNFR-associated factor (TRAF) and TRAF binding proteins generating a signaling complex which can then mediate MAPK and NFκB signaling ([Weyden et al. 2017](#)). In this way, CD30 signaling is able to regulate peripheral T cell responses, controls T cell survival, down regulates cytolytic capacity and regulates thymocyte survival ([Muta & Podack 2013](#)).

The biotinylated Mouse anti Human CD30 antibody, clone D02-6E11 (MCA6271B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human CD30 antibody, clone G05-2D2 ([MCA6270GA](#)) as the capture antibody.

Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6271B>
10041

Regulatory

For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN CD30 \(MCA6270GA\)](#)

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batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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