

Datasheet: MCA5968GA

Description:	MOUSE ANTI HUMAN CD30
Specificity:	CD30
Other names:	Ki-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	C03-8D3
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	■			

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> derived recombinant protein corresponding to aa 19-595 of human CD30
External Database Links	UniProt: P28908 Related reagents Entrez Gene: 943 TNFRSF8 Related reagents

Synonyms	CD30, D1S166E
Fusion Partners	Spleen cells from immunised BALB/C mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	Mouse anti Human CD30, clone C03-8D3, recognizes the human CD30 cell surface antigen also known as TNFRSF8. CD30 is a 120 kDa, type I transmembrane glycoprotein of the tumour necrosis factor (TNF) receptor superfamily. CD30 was originally identified as a molecule expressed on Hodgkin and Reed Sternberg cells in Hodgkin's disease but has subsequently been detected on certain non-Hodgkin's malignancies as well as some virally transformed cells. It is also expressed on a subset of activated human T-cells, and by a few extrafollicular T and B-cell blasts in normal lymph nodes. Evidence indicates that CD30 may act as a signal transduction molecule. Binding of CD30 by its ligand induces activation of signalling pathways JNK and NF-κB, expression of lymphocyte genes, proliferation and apoptosis (Muta <i>et al.</i> 2000). These and other signalling events of which CD30 is involved contribute to homeostatic regulation of immune responses (Berghella <i>et al.</i> 2011).
Further Reading	1. Muta, H. <i>et al.</i> (2000) CD30 signals integrate expression of cytotoxic effector molecules, lymphocyte trafficking signals, and signals for proliferation and apoptosis. J Immunol. 165 (9): 5105-11. 2. Berghella, A.M. <i>et al.</i> (2011) The potential role of thioredoxin 1 and CD30 systems as multiple pathway targets and biomarkers in tumor therapy. Cancer Immunol Immunother. 60 (10): 1373-81.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet documentation #10040 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800

Goat Anti Mouse IgG (STAR70...) [FITC](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Human Anti Mouse IgG1 (HCA036...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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