

## Datasheet: MCA6149

<b>Description:</b>	HUMAN ANTI CD30 (BRENTUXIMAB BIOSIMILAR)
<b>Specificity:</b>	CD30
<b>Other names:</b>	TNFRSF8
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	cAC10
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Human IgG1 (kappa) antibody - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Human CD30

**External Database  
Links**

**UniProt:**

[P28908](#)    [Related reagents](#)

**Entrez Gene:**

[943](#)    TNFRSF8    [Related reagents](#)

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**Synonyms**

CD30, D1S166E

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**Specificity**

**Human Anti-CD30 antibody**, clone cAC10, is a research grade biosimilar of the chimeric monoclonal antibody drug brentuximab. This product is supplied in a research grade format, i.e. in PBS buffer with preservative, it is not manufactured or formulated in the same way as the therapeutic reference product. A preservative free version is available [on request](#).

This product is a recombinant human IgG1 kappa antibody with variable regions from the therapeutic brentuximab antibody clone cAC10. This product is not coupled to the drug monomethyl auristatin E (MMAE).

Brentuximab vedotin (Adcetris) is an antibody drug conjugate that combines the anti-CD30 antibody (brentuximab) with the anti-mitotic agent MMAE (vedotin). It is approved for the treatment of Hodgkin's lymphoma and systemic anaplastic large cell lymphoma. The brentuximab antibody selectively targets tumor cells expressing the cell membrane protein CD30 and delivers the MMAE, which causes apoptosis by preventing cell cycle progression of the G2 to M phase through disruption of the cytosolic microtubule network, thereby preventing tumor growth and proliferation.

This product is NOT FOR THERAPEUTIC USE.

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**Purity**

>98% by SDS PAGE

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**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.

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6149>  
10040

**Licensed Use**

For *in vitro* research purposes and for commercial applications for the provision of *in vitro* testing services to support preclinical and clinical drug development. Any re-sale in any form or any other commercial application needs a written agreement with Bio-Rad.

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**Regulatory**

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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