

Datasheet: MCA6149

BATCH NUMBER 157943

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|----------------------|--|
| Description: | HUMAN ANTI CD30 (BRENTUXIMAB BIOSIMILAR) |
| Specificity: | CD30 |
| Other names: | TNFRSF8 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | cAC10 |
| Isotype: | IgG1 |
| Quantity: | 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.

| | 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.

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|---------------------------------------|---|
| Target Species | Human |
| Product Form | Human IgG1 (kappa) antibody - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.01% Thiomersal |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Human CD30 |

**External Database
Links**

UniProt:

[P28908](#) [Related reagents](#)

Entrez Gene:

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

Synonyms CD30, D1S166E

Specificity **Human Anti-CD30 antibody**, clone cAC10, is a research grade biosimilar of the chimeric monoclonal antibody drug brentuximab. It is a recombinant human IgG1 kappa antibody with variable regions from the therapeutic brentuximab antibody clone cAC10. 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; it 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.

Purity >98% by SDS PAGE

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

Acknowledgements Sold under license of U.S. Patents 6753136, 7785859 and 8273688 and corresponding patents. This antibody was developed by Bio-Rad, Zeppelinstr. 4, 82178 Puchheim, Germany.

**Health And Safety
Information** Material Safety Datasheet documentation #10094 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6149>
10094

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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

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