



# Human Anti-Brentuximab vedotin monoclonal antibody, clone AbD39659ia (CABT-ZB1152)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |   |
|---------------------------|---|
| <b>Specificity</b>        | Brentuximab Vedotin   |
| <b>Target</b>             | Brentuximab   |
| <b>Immunogen</b>          | Brentuximab vedotin   |
| <b>Isotype</b>            | IgG1, κ   |
| <b>Source/Host</b>        | Human   |
| <b>Species Reactivity</b> | N/A   |
| <b>Clone</b>              | AbD39659ia  |
| <b>Affinity Constant</b>  | The monovalent intrinsic affinity of AbD39659ia was measured as $K_D = 1.4$ nM by real time, label free molecular interaction analysis on immobilized brentuximab vedotin.  |
| <b>Purification</b>       | Protein A purified  |
| <b>Conjugate</b>          | Unconjugated  |
| <b>Applications</b>       | Suitable for use in ADA bridging ELISA.<br>Each laboratory should determine an optimum working titer for use in its particular application.<br>Other applications have not been tested but use in such assays should not necessarily be excluded. |
| <b>Format</b>             | Liquid  |
| <b>Concentration</b>      | Lot specific  |
| <b>Size</b>               | 100 µg  |

|                |  |
|----------------|--|
| <b>Buffer</b>  | PBS  |
| <b>Storage</b> | Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. |
| <b>Ship</b>    | Wet ice  |

## BACKGROUND

**Introduction** Brentuximab vedotin (Adcetris) is a chimeric mouse/human IgG1 kappa ADC, approved by the FDA for the treatment of Hodgkin's lymphoma (HL) and systemic anaplastic large cell lymphoma (ALCL). The brentuximab antibody selectively targets tumor cells expressing the cell membrane protein CD30, and delivers the conjugated toxin, monomethyl auristatin E (MMAE). Once inside the cell the MMAE is released from the antibody by proteolytic cleavage and disrupts the microtubule network inducing cell cycle arrest and apoptosis of the malignant cells, thereby preventing tumor growth and proliferation.

**Keywords** Brentuximab vedotin; Adcetris