



# Mouse Anti-Tocilizumab monoclonal antibody, clone 7D21 [Biotin] (CABT-ZB255)

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

## PRODUCT INFORMATION

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| <b>Product Overview</b> | CABT-ZB255 is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Tocilizumab.                                               |
| <b>Specificity</b>      | The product is specific for Tocilizumab.                                                                                                                                                       |
| <b>Target</b>           | Tocilizumab                                                                                                                                                                                    |
| <b>Immunogen</b>        | Tocilizumab                                                                                                                                                                                    |
| <b>Isotype</b>          | IgG2b                                                                                                                                                                                          |
| <b>Source/Host</b>      | Mouse                                                                                                                                                                                          |
| <b>Clone</b>            | 7D21                                                                                                                                                                                           |
| <b>Purification</b>     | Protein A purified                                                                                                                                                                             |
| <b>Conjugate</b>        | Biotin                                                                                                                                                                                         |
| <b>Applications</b>     | Suitable for use in PK bridging ELISA.<br>We recommend the following for sandwich ELISA (Capture - Detection):<br>CABT-ZB253 - CABT-ZB255<br>Recommended Working Concentration: 0.01-0.1 µg/ml |
| <b>Reconstitution</b>   | Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/mL.                                                                                |
| <b>Format</b>           | Purified, Lyophilized.                                                                                                                                                                         |
| <b>Size</b>             | 40 µg                                                                                                                                                                                          |

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| <b>Buffer</b>       | Lyophilized with PBS, pH 7.4, contains 1% BSA and 0.02% sodium azide.                                                                                                                                                  |
| <b>Preservative</b> | 0.02% sodium azide                                                                                                                                                                                                     |
| <b>Storage</b>      | The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid freeze/thaw cycles. |
| <b>Ship</b>         | Wet ice                                                                                                                                                                                                                |

## BACKGROUND

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| <b>Introduction</b> | Tocilizumab also known as atlizumab, is a humanized monoclonal antibody that is approved by the U.S. Food and Drug Administration. It has a high affinity to IL-6R and blocks the IL-6 signaling by preventing the formation of the IL-6/IL-6R complex. Tocilizumab is used for the treatment of rheumatoid arthritis (RA) and systemic juvenile idiopathic arthritis, a severe form of arthritis in children. |
| <b>Keywords</b>     | Mouse monoclonal antibody to Actemra; Tocilizumab; atlizumab                                                                                                                                                                                                                                                                                                                                                   |

## GENE INFORMATION

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|-----------------|--------------------------------------------------------------|
| <b>Synonyms</b> | Mouse monoclonal antibody to Actemra; Tocilizumab; atlizumab |
|-----------------|--------------------------------------------------------------|