



Mouse Anti-Atezolizumab monoclonal antibody, clone 7C23 [Biotin] (CABT-ZB176)

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

PRODUCT INFORMATION

Specificity	The product is specific for Atezolizumab.
Target	Atezolizumab
Immunogen	Atezolizumab
Isotype	IgG1, κ
Source/Host	Mouse
Clone	7C23
Purification	Protein A purified
Conjugate	Biotin
Applications	Suitable for PK bridging ELISA. We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB174 - CABT-ZB176. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to a final concentration of 0.5 mg/mL.
Format	Purified, Lyophilized.
Size	40 µg
Buffer	Lyophilized with PBS, pH 7.4, contains 1% BSA and 0.02% sodium azide.

Preservative	0.02% sodium azide
Storage	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.
Ship	Wet ice

BACKGROUND

Introduction	Atezolizumab is a fully humanized, engineered monoclonal antibody of IgG1 isotype against the protein programmed cell death-ligand 1 (PD-L1). Atezolizumab blocks the interaction of PD-L1 with programmed cell death protein 1 (PD-1) and CD80 receptors (B7-1Rs). PD-L1 can be highly expressed on certain tumors, which is thought to lead to reduced activation of immune cells (cytotoxic T-cells in particular) that might otherwise recognize and attack the cancer. Inhibition of PD-L1 by atezolizumab can remove this inhibitor effect and thereby engender an anti-tumor response. It is one of several ways to block inhibitory signals related to T-cell activation, a more general strategy known as "immune checkpoint inhibition".
Keywords	Mouse monoclonal antibody to Tecentriq; Anti-PD-L1 monoclonal antibody; MPDL3280A; Atezolizumab

GENE INFORMATION

Synonyms	Mouse monoclonal antibody to Tecentriq; Anti-PD-L1 monoclonal antibody; MPDL3280A; Atezolizumab
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