



Mouse Anti-Avelumab monoclonal antibody, clone 23I8 (CABT-ZB180)

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

PRODUCT INFORMATION

Product Overview	CABT-ZB180 is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Avelumab.
Specificity	This product is specific for Avelumab.
Target	Avelumab
Immunogen	Avelumab
Isotype	IgG1, κ
Source/Host	Mouse
Clone	23I8
Purification	Protein A purified
Conjugate	Unconjugated
Applications	<p>Suitable for PK bridging ELISA.</p> <p>We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB180 - CABT-ZB181.</p> <p>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.</p>
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 7.2, contains 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	Avelumab with trade name Bavencio, is an FDA-approved drug to treat Merkel cell carcinoma, urothelial carcinoma, and renal cell carcinoma. Avelumab is a whole monoclonal antibody of isotype IgG1 that binds to the programmed death-ligand 1 (PD-L1) and therefore inhibits binding to its receptor programmed cell death 1 (PD-1). 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 Avelumab 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 Avelumab/Bavencio; Avelumab; Bavencio

GENE INFORMATION

Synonyms	Mouse monoclonal antibody to Avelumab/Bavencio; Avelumab; Bavencio
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