



Human Anti-Human PD-1 (Nivolumab) Monoclonal Antibody, clone 5C4.B8 [Biosimilar] (CABT-Z633H)

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

PRODUCT INFORMATION

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|---------------------------|---|
| Specificity | Detects human PD-1. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Nivolumab. |
| Immunogen | Human PD-1 |
| Isotype | IgG4, κ |
| Source/Host | Human |
| Species Reactivity | Human |
| Clone | 5C4.B8 |
| Purification | Protein A or G purified |
| Conjugate | Functional Grade |
| Applications | FA |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 5 mg |
| Buffer | 0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free. Endotoxin Level \leq 0.75 EU/mg as determined by the LAL method |

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| Preservative | None |
| Storage | Store at 2-8°C for short term; -80°C for long term. Avoid freeze / thaw cycle. |
| Ship | Wet ice |

BACKGROUND

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| Introduction | Nivolumab biosimilar is a human monoclonal antibody that blocks the interaction between PD-1 and its ligands, PD-L1 and PD-L2. Nivolumab is an IgG4 kappa immunoglobulin that has a calculated molecular mass of 146 kDa. It is expressed in a recombinant Chinese Hamster Ovary (CHO) cell line. |
| Keywords | CD279;CD279 antigen;hPD 1;hPD 1;hPD-1;hSLE1 |

GENE INFORMATION

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|-----------------------|------------------------|
| Gene Name | PDCD1 |
| Entrez Gene ID | 5133 |
| UniProt ID | Q15116 |
