



# Rabbit Anti-Human PD-1 Monoclonal Antibody, clone CQ7114 (CABT-Z185R)

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

## PRODUCT INFORMATION

|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| <b>Immunogen</b>             | Recombinant full length protein corresponding to Human PD-1. |
| <b>Isotype</b>               | IgG                                                          |
| <b>Source/Host</b>           | Rabbit                                                       |
| <b>Species Reactivity</b>    | Human                                                        |
| <b>Clone</b>                 | CQ7114                                                       |
| <b>Purification</b>          | ProA affinity purified IgG.                                  |
| <b>Conjugate</b>             | Unconjugated                                                 |
| <b>Applications</b>          | IHC-P<br>Recommended concentration:<br>IHC-P: 1:100-1:200    |
| <b>Molecular Weight</b>      | 32 kDa                                                       |
| <b>Cellular Localization</b> | Membrane                                                     |
| <b>Positive Control</b>      | Tonsil                                                       |
| <b>Format</b>                | Liquid                                                       |
| <b>Concentration</b>         | Lot specific                                                 |
| <b>Size</b>                  | 100 µl                                                       |
| <b>Buffer</b>                | PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.        |

|                     |                                            |
|---------------------|--------------------------------------------|
| <b>Preservative</b> | 0.01% Sodium azide                         |
| <b>Storage</b>      | Store at -20 °C. Avoid freeze/thaw cycles. |
| <b>Ship</b>         | Wet ice                                    |

## BACKGROUND

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| <b>Introduction</b> | <p>Programmed death 1 (PD-1) is a cell surface co-receptor in the CD28/CTLA-4 T-cell family and functions as a down regulator of the immune system through a dual mechanism of inhibition. PD-1 is expressed on activated T-cells, B-cells, and myeloid cells, and is a marker of angioimmunoblastic lymphoma and suggests a unique cell of origin for this neoplasm. The presence of PD-1 positive tumor-infiltrating lymphocytes (TIL) has been associated with poor prognosis in human breast cancers and may be useful in antibody therapy targeting the PD-1/PD-L1 signaling pathway. Treatments targeting PD-1 and its ligand, PD-L1, have also shown encouraging results in non-small-cell lung cancer, renal cell carcinoma and melanoma.</p> |
| <b>Keywords</b>     | <p>PDCD1; programmed cell death 1; PD1; PD-1; CD279; SLEB2; hPD-1; hPD-I; hSLE1; programmed cell death protein 1; protein PD-1; systemic lupus erythematosus susceptibility 2</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## GENE INFORMATION

|                       |                        |
|-----------------------|------------------------|
| <b>Gene Name</b>      | PDCD1                  |
| <b>Entrez Gene ID</b> | <a href="#">5133</a>   |
| <b>UniProt ID</b>     | <a href="#">Q15116</a> |