



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

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

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

BACKGROUND

Introduction	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.
Keywords	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

GENE INFORMATION

Gene Name	PDCD1
Entrez Gene ID	5133
UniProt ID	Q15116