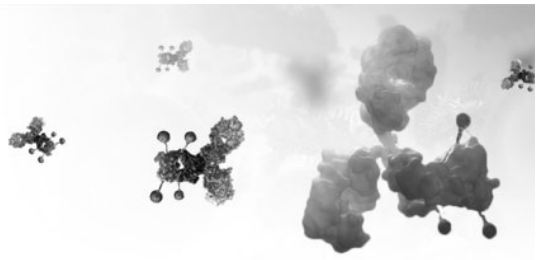

Mouse Anti-Human PD-1 monoclonal antibody, clone JID112 (CABT-L2940)

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

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human PD-1
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID112
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Tonsil, Lymph Node
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice
Warnings	This antibody is intended for use in Immunohistochemical applications on formalinfixed paraffin-embedded tissues (FFPE), frozen tissue sections and cell preparations.

BACKGROUND

Introduction	Programmed Death 1 (PD-1) is a member of the CD28/CTLA-4 family of T-cell regulators, expressed as a co-receptor on the surface of activated T-cells, B-cells, and macrophages. New studies have suggested that the PD-1/PD-L1 signaling pathway may be linked to anti-tumor immunity, as PD-L1 has been shown to induce apoptosis of activated T cells or inhibit activity of cytotoxic T cells. In comparison to CD10 and Bcl-6, PD-1 is expressed by fewer B cells and has therefore been considered a more specific and useful diagnostic marker for angioimmunoblastic T-cell lymphoma. Therapies targeted toward the PD-1 receptor have shown remarkable clinical responses in patients with various types of cancer, including non–small-cell lung cancer, melanoma, and renal-cell cancer.
Keywords	PDCD1;programmed cell death 1;PD1;PD-1;CD279;SLEB2;hPD-1;hPD-l;hSLE1;programmed cell death protein 1;protein PD-1;systemic lupus erythematosus susceptibility 2;

GENE INFORMATION

Gene Name	PDCD1 programmed cell death 1 [Homo sapiens (human)]
Official Symbol	PDCD1
Synonyms	PDCD1; programmed cell death 1; PD1; PD-1; CD279; SLEB2; hPD-1; hPD-l; hSLE1; programmed cell death protein 1; protein PD-1; systemic lupus erythematosus susceptibility 2;
Entrez Gene ID	5133
Protein Refseq	NP_005009
UniProt ID	Q15116
Chromosome Location	2q37.3
Pathway	Adaptive Immune System; Cell adhesion molecules (CAMs); Costimulation by the CD28 family; Immune System; PD-1 signaling; T cell receptor signaling pathway;
Function	protein binding; signal transducer activity;

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