

Product datasheet

anti-PD-1 mouse monoclonal, IHC001, purified

Short overview

Cat. No.	691731
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b
Clone	IHC001
Immunogen	Recombinant human His-PD1
Formulation	Tris pH 7.3-7.7 with 1% BSA and 0.09% sodium azide
UniprotID	Q15116 (Human)
Synonym	Programmed cell death protein 1, Protein PD-1, hPD-1, CD antigen CD279, PDCD1, PD1
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	IHC
Reactivity	Human

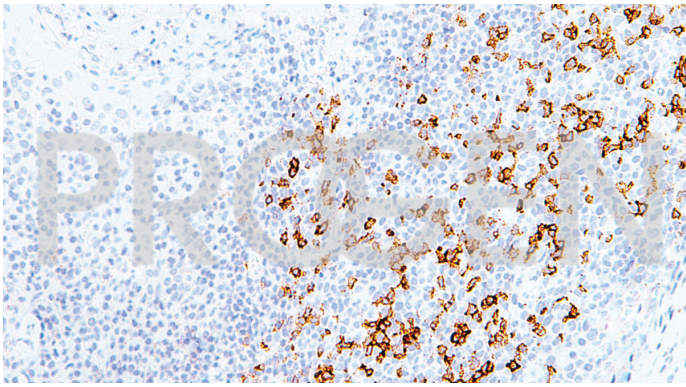
Applications

Immunohistochemistry (IHC) - paraffin	1:50-1:200 (microwave treatment recommended)
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Background

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-tumour 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.

Product images



Tonsil