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44-1067: Anti-PD-1 Monoclonal Antibody (Clone:IHC001)

Clonality :	Monoclonal
Clone Name :	IHC001
Application :	IHC
Reactivity :	Human
Gene :	PDCD1
Gene ID :	5133
Uniprot ID :	Q15116
Format :	Purified
Alternative Name :	PDCD1,PD1
Isotype :	Mouse IgG2b
Immunogen Information :	Recombinant human His-PD1

Description

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 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 Info

Amount :	0.1 ml / 0.5 ml
Purification :	Protein A/G Chromatography
Content :	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Storage condition :	Store at 2°C - 8°C. Do not freeze.

Application Note

Recommended dilutions: Immunohistochemical analysis: 1:100 - 1:200. However, this need to be optimized based on the research applications.

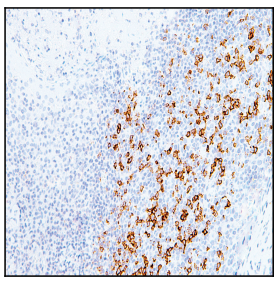

Figure 1: Immunohistochemical analysis of PD-1 (Clone: IHC001) on Tonsil

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