

## Anti-PD-1 Antibody (6M987)

## Product Details

Ig Type:	IgG1
Reactivity:	Human
Molecular Weight:	Theoretical: 32 kDa.
Clone:	6M987
Purification:	Protein G purified

## Applications

Verified Activity:	<p>1. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PD-1 Monoclonal Antibody, Unconjugated (TMAB-10092) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PD-1 Monoclonal Antibody, Unconjugated (TMAB-10092) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Mouse) and DAB staining.</p>
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: human PD1
Antigen Species:	Human
Gene ID:	5133
Uniprot ID:	Q15116

## Research Background

Programmed cell death protein 1 (PDCD1) is an immune-inhibitory receptor expressed in activated T cells; it is involved in the regulation of T-cell functions, including those of effector CD8+ T cells. In addition, this protein can also promote the differentiation of CD4+ T cells into T regulatory cells. PDCD1 is expressed in many types of tumors including melanomas, and has demonstrated to play a role in anti-tumor immunity. Moreover, this protein has been shown to be involved in safeguarding against autoimmunity, however, it can also contribute to the inhibition of effective anti-tumor and anti-microbial immunity. [provided by RefSeq, Aug 2020]

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