

## Anti-PD-1 Antibody (6C271)

## Product Details

Ig Type:	IgG1, k
Reactivity:	Mouse
Molecular Weight:	Theoretical: 32 kDa. Actual: 58-65 kDa.
Clone:	6C271
Purification:	Protein A purified

## Applications

Verified Activity:	<ol style="list-style-type: none"><li>1. Paraformaldehyde-fixed, paraffin embedded Mouse Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PD-1 Monoclonal Antibody, Unconjugated (TMAB-10094) at 1:200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&amp;L-HRP and DAB staining.</li><li>2. 25 ug total protein per lane of various lysates (see on figure) probed with PD-1 monoclonal antibody, unconjugated (TMAB-10094) at 1: 1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</li></ol>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## 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: mouse PD-1 protein
Antigen Species:	Mouse
Gene ID:	18566
Uniprot ID:	Q02242

## 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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