

Anti-PD-1 Antibody (6P486)

Product Details

Ig Type:	IgG1
Reactivity:	Human
Molecular Weight:	Theoretical: 32 kDa. Actual: 55-60 kDa.
Clone:	6P486
Purification:	Protein A purified

Applications

Verified Activity:	<ol style="list-style-type: none">1. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PD-1 Monoclonal Antibody, Unconjugated (TMAB-10093) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.2. Paraformaldehyde-fixed, paraffin embedded Human Lung squamous cell carcinoma; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PD-1 Monoclonal Antibody, Unconjugated (TMAB-10093) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.3. Paraformaldehyde-fixed, paraffin embedded Human Pyogenic appendicitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PD-1 Monoclonal Antibody, Unconjugated (TMAB-10093) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.4. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with PD-1 Monoclonal Antibody, Unconjugated (TMAB-10093) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.
Application:	IHC-P,IHC-Fr,IF,ELISA
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; ELISA: 1:5000-10000

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 PD-1 protein
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

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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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