

产品概述

产品名 (Product Name)	Anti PD1 mouse monoclonal antibody
货号 (Catalog No.)	ATMA10133Mo
种类 (Category)	Primary antibody
宿主 (Host)	Mouse
反应种属 (Species specificity)	Homo sapiens (Human)
克隆性 (Clonality)	Monoclonal
克隆编号 (Clone No.)	3G1
偶连物 (Conjugation)	Unconjugated
免疫原 (Immunogen)	Recombinant protein of full length human PD1
别名	PDCD1,PD1,Programmed cell death protein 1,Protein PD-1,CD279
Uniprot ID	Q15116

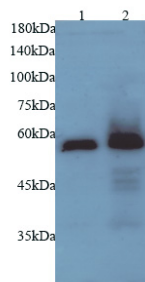
产品性能

状态 (Form)	Liquid
储存溶液 (Buffer)	Supplied as solution form in PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
存放条件 (Storage)	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
浓度 (Concentration)	0.5mg/ml
亚型 (Isotype)	IgG1
分子量 (MW)	32kDa
纯化方式 (Purity)	Protein G purified from mice ascites

应用

WB:1:1000-1:4000,optimal working dilutions must be determined by end user.

产品实验图片



Lysate: 30 µg/lane
Lane 1: human breast cancer
Lane 2: human interstitialoma

Predicted band size: 50 kDa
Observed band size: 50 kDa

Various lysates were subjected to SDS PAGE followed by western blot with PD1 antibody at dilution of 1:1000.

产品背景

Programmed cell death 1 (PD-1, also known as CD279) is an immunoinhibitory receptor that belongs to the CD28/CTLA-4 subfamily of the Ig superfamily. It is a 288 amino acid (aa) type I transmembrane protein composed of one Ig superfamily domain, a stalk, a transmembrane domain, and an intracellular domain containing an immunoreceptor tyrosine-based inhibitory motif (ITIM) as well as an immunoreceptor tyrosine-based switch motif (ITSM) (PMID: 18173375). PD-1 is expressed during thymic development and is induced in a variety of hematopoietic cells in the periphery by antigen receptor signaling and cytokines (PMID: 20636820). Engagement of PD-1 by its ligands PD-L1 or PD-L2 transduces a signal that inhibits T-cell proliferation, cytokine production, and cytolytic function (PMID: 19426218). It is critical for the regulation of T cell function during immunity and tolerance. Blockade of PD-1 can overcome immune resistance and also has been shown to have antitumor activity (PMID: 22658127; 23169436). It has been reported that PD-1 is heavily glycosylated and migrates with an apparent molecular mass of 47-55 kDa on SDS-PAGE, which is larger than its predicted mass of 32 kDa (PMID: 8671665; 17640856; 17003438).