

产品概述

产品名 (Product Name)	Anti PDL1 mouse monoclonal antibody
货号 (Catalog No.)	ATMA10056Mo
种类 (Category)	Primary antibody
宿主 (Host)	Mouse
反应种属 (Species specificity)	Homo sapiens (Human)
应用实验 (Tested applications)	Elisa, WB, flow, IHC
克隆性 (Clonality)	Monoclonal
克隆编号 (Clone No.)	130-A-5
偶连物 (Conjugation)	Unconjugate
免疫原 (Immunogen)	humna PDL1 DNA sequence
别名	B7-H1; CD274; Programmed death ligand 1
Uniprot ID	Q9NZQ7

产品性能

状态 (Form)	Liquid
储存溶液 (Buffer)	PBS, pH7.4, containing 0.05% proclin300, 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)	1mg/ml
亚型 (Isotype)	IgG1
分子量 (MW)	34 kDa
纯化方式 (Purity)	Protein G purified from mice ascites

应用

Elisa: 1:1000~5000; WB: 1:1000~4000; Flow: 1:100~200, IHC: 1:50~100

产品背景

Plays a critical role in induction and maintenance of immune tolerance to self (PubMed:11015443, PubMed:28813417, PubMed:28813410). As a ligand for the inhibitory receptor PDCD1/PD-1, modulates the activation threshold of T-cells and limits T-cell effector response (PubMed:11015443, PubMed:28813417, PubMed:28813410). Through a yet unknown activating receptor, may costimulate T-cell subsets that predominantly produce interleukin-10 (IL10) (PubMed:10581077). The PDCD1-mediated inhibitory pathway is exploited by tumors to attenuate anti-tumor immunity and escape destruction by the immune system, thereby facilitating tumor survival (PubMed:28813417, PubMed:28813410). The interaction with PDCD1/PD-1 inhibits cytotoxic T lymphocytes (CTLs) effector function. The blockage of the PDCD1-mediated pathway results in the reversal of the exhausted T-cell phenotype and the normalization of the anti-tumor response, providing a rationale for cancer immunotherapy.

