

*‡*29122

PD-L1 (405.9A11) Mouse mAb



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Applications: W, W-S, IHC-P	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 40-50	Source/Isotype: Mouse IgG1	UniProt ID: #Q9NZQ7	Entrez-Gene Id: 29126
Product Usage		Application Dilution				
Information		Western Blotting			1:1000	
		Simple Western™			1:10 - 1:5	0
		Immunohistochemist	try (Paraffin)		1:100 - 1:	400
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
		For a carrier-free (BSA and azide free) version of this product see product #39356.				
Specificity/Sensitivity		PD-L1 (405.9A11) Mouse mAb recognizes endogenous levels of total PD-L1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human PD-L1 protein.				
Background		ligands that regulate transmembrane rece novel B7 protein hom T cells, and tissues in members, PD-L1 prot Research studies den ovary, colon, lung, bro with tumor-infiltrating	T cell activation and ptor and inhibits T of longs and was late cluding placenta, he ein contains extractionstrate that PD-Least, and renal cell g lymphocytes, whi	, B7-H1, CD274) is a mer d immune responses. The cell activation. PD-L1 was r shown to be expressed eart, and lung (1-3). Simil cellular IgV and IgC doma 1 is expressed in several carcinomas (4-6). Express ch mediate PD-L1 express L1 expression to cancers	e PD-L1 ligand bind discovered followi by antigen present ar in structure to re ins and a short, cyt tumor types, includ sion of PD-L1 in car sion through the re	s the PD-1 ng a search for ing cells, activated elated B7 family oplasmic region. ding melanoma, acer is associated elease of interferon
Background References		 Dong, H. et al. (1999) Nat Med 5, 1365-9. Freeman, G.J. et al. (2000) J Exp Med 192, 1027-34. Liang, S.C. et al. (2003) Eur J Immunol 33, 2706-16. Dong, H. et al. (2002) Nat Med 8, 793-800. Thompson, R.H. et al. (2006) Cancer Res 66, 3381-5. Pardoll, D.M. (2012) Nat Rev Cancer 12, 252-64. Taube, J.M. et al. (2012) Sci Transl Med 4, 127ra37. Lyford-Pike, S. et al. (2013) Cancer Res 73, 1733-41. Chen, B.J. et al. (2013) Clin Cancer Res 19, 3462-73. 				
Species Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western blot).				
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Annlications Key		W· Western Blotting W-S· Simple Western™ IHC-P· Immunohistochemistry (Paraffin)				

Applications Key

 $\textbf{W:} \ \text{Western Blotting } \textbf{W-S:} \ \text{Simple Western}^{\intercal} \ \textbf{IHC-P:} \ \text{Immunohistochemistry (Paraffin)}$

Cross-Reactivity Key

H: Human

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