

Rabbit anti-Human PD-L1 [BK58] Monoclonal Antibody | anti-PD-L1 antibody

Recombinant PD-L1 antibody [BK58]

CATALOG # AAA296696	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
-------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

PD-L1 [BK58]; Monoclonal Antibody; Recombinant PD-L1 antibody [BK58]; Programmed cell death 1 ligand 1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7 homolog 1; B7-H1; CD274; B7H1; PDCD1L1; PDCD1LG1; PDL1; PDL-1; anti-PD-L1 antibody

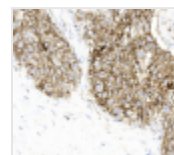
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	BK58
Specificity	Recombinant anti-PD-L1 monoclonal antibody recognizes endogenous levels of total PD-L1 protein.
Form/Format	Purified recombination monoclonal antibody supplied in PBS with 0.05% (W/V) Proclin300, and 0.05% BSA. This antibody is purified through a protein A column.
Applicable Applications for anti-PD-L1 antibody	IHC (Immunohistochemistry)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

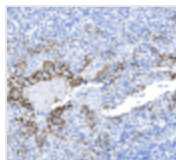


IHC (Immunohistochemisry)
Dilution: IHC: 1:1000



IHC (Immunohiostchemistry)

Dilution: IHC-P 1:1000Immunohistochemical analysis of paraffin-embedded human esophageal squamous carcinoma tissue using AAA296696 performed on the Abcarta FAIP-48 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody for 15 min at room temperature. AmpSee™ Detection Systems was used as the secondary antibody.



IHC (Immunohistochemistry)

Dilution: IHC-P 1:1000 Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AAA296696 performed on the Abcarta® FAIP-48 Fully automated IHC platform. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody for 15 min at room temperature. AmpSee™ Detection Systems was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PD-L1 antibody	Rabbit Monoclonal Antibody (Mab) Programmed cell death 1 ligand 1 (PD-L1, B7-H1, CD274) is a member of the B7 family of cell surface ligands that regulate T cell activation and immune responses. The PD-L1 ligand binds the PD-1 transmembrane receptor and inhibits T cell activation. PD-L1 was discovered following a search for novel B7 protein homologs and was later shown to be expressed by antigen presenting cells, activated T cells, and tissues including placenta, heart, and lung. Similar in structure to related B7 family members, PD-L1 protein contains extracellular IgV and IgC domains and a short, cytoplasmic region. Research studies demonstrate that PD-L1 is expressed in several tumor types, including melanoma, ovary, colon, lung, breast, and renal cell carcinomas. Expression of PD-L1 in cancer is associated with tumor-infiltrating lymphocytes, which mediate PD-L1 expression through the release of interferon gamma. Additional research links PD-L1 expression to cancers associated with viral infections. Involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production.
Product Categories/Family for anti-PD-L1 antibody	New Antibodies ; Primary Antibodies ; Cancer ; Immunology
References	Dong H., et al. Nat. Med. 5:1365-1369 (1999). Freeman G.J., et al. J. Exp. Med. 192:1027-1034 (2000). He X.-H., et al. Acta Pharmacol. Sin. 26:462-468 (2005). Chi X.-Y., et al. Submitted (NOV-2005) to the EMBL/GenBank/DBJ databases. Ota T., et al. Nat. Genet. 36:40-45 (2004). 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. Wimberly, H. et al. (2014) Cancer Immunol Res.,.

NCBI AND UNIPROT INFORMATION

NCBI GI #	390979639
NCBI GeneID	29126
NCBI Accession #	NP_001254635.1
NCBI GenBank Nucleotide #	NM_001267706.1
UniProt Accession #	Q9NZQ7 ; Q14CJ2 ; Q2V8D5 ; Q66RK1 ; Q6WEX4 ; Q9NUZ5 ; B2RBA2 ; B4DU27
Molecular Weight	33,275 Da
NCBI Official Full Name	programmed cell death 1 ligand 1 isoform b
NCBI Official Synonym Full Names	CD274 molecule
NCBI Official Symbol	CD274
NCBI Official Synonym Symbols	B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1
NCBI Protein Information	programmed cell death 1 ligand 1; B7 homolog 1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1
UniProt Protein Name	Programmed cell death 1 ligand 1
UniProt Gene Name	CD274

UniProt Synonym Gene Names	B7H1; PDCD1L1; PDCD1LG1; PDL1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7-H1
UniProt Entry Name	PD1L1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/pd-l1-bk58-antibody-clone-bk58-immunohistochemistry-elisa/296696>