

## PDL-1 Antibody

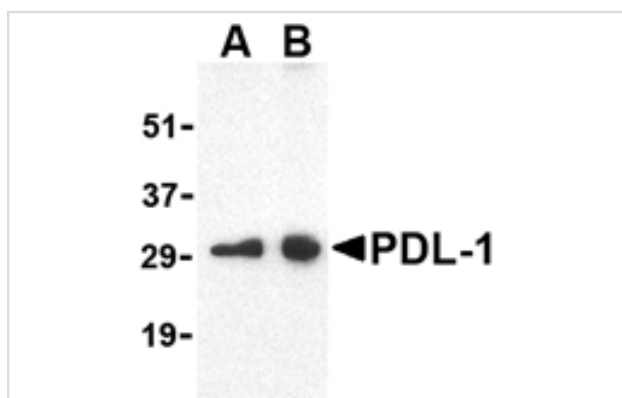
Catalog No: #24503

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

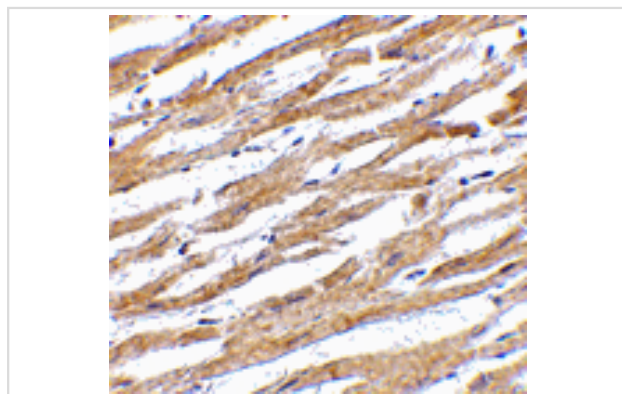
## Description

Product Name	PDL-1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide from near the center of human PDL-1.
Target Name	PDL-1
Other Names	PDL-1, Programmed cell death 1 ligand-1, programmed death ligand 1, PD-L1, B7-H1
Accession No.	Swiss-Prot:Q9NZQ7Gene ID:29126
Uniprot	Q9NZQ7
GeneID	29126;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

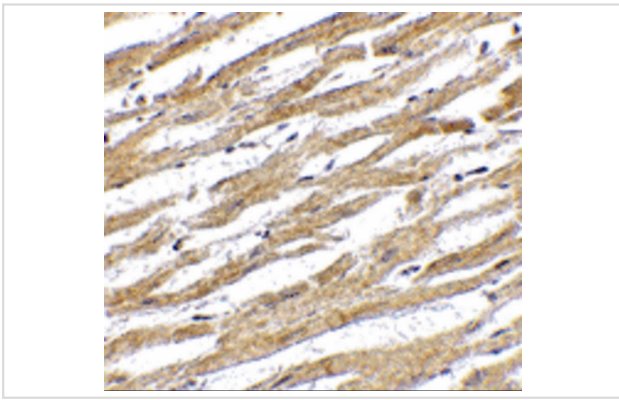
## Images



Western blot analysis of PDL-1 in Raji cell lysate with PDL-1 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of PDL-1 in human heart tissue with PDL-1 antibody at 2.5 ug/mL.



Immunohistochemistry of PD-L1 in human heart tissue with PD-L1 antibody at 2.5 µg/mL.

## Background

Cell-mediated immune responses are initiated by T lymphocytes that are themselves stimulated by cognate peptides bound to MHC molecules on antigen-presenting cells (APC). T-cell activation is generally self-limited as activated T cells express receptors such as PD-1 (also known as PDCD-1) that mediate inhibitory signals from the APC. PD-1 can bind two different but related ligands, PDL-1 and PDL-2. PDL-1 is a B7-related protein that inhibits cell-mediated immune responses by reducing the secretion of IL-2 and IL-10 from memory T cells. This suggests that PDL-1 may be useful in reducing allogenic CD4+ memory T-cell responses to endothelial cells, thereby reducing the likelihood of host immune responses to allografts. At least two isoforms of PDL-1 are known to exist; this antibody is specific to the larger isoform. PDL-1 antibody has no cross-reactivity to PDL-2.

Note: This product is for in vitro research use only