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Anti-PDCD1 / CD279 / PD-1 Antibody (clone 3C6)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18131

Specification

Anti-PDCD1 / CD279 / PD-1 Antibody (clone 3C6) - Product Information

Application	**IHC-P, Flo**
Primary Accession	Q15116
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a**
Calculated MW	**31647**

Anti-PDCD1 / CD279 / PD-1 Antibody (clone 3C6) - Additional Information

Gene ID 5133

Alias Symbol	**PDCD1**

Other Names
PDCD1, CD279, HPD-1, HPD-l, PD1, Protein PD-1, SLEB2, PD-1, CD279 antigen, Programmed cell death 1

Target/Specificity
Human PDCD1 / CD279 / PD-1

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-PDCD1 / CD279 / PD-1 Antibody (clone 3C6) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-PDCD1 / CD279 / PD-1 Antibody (clone 3C6) - Protein Information

Name PDCD1 {ECO:0000303|PubMed:7851902, ECO:0000312|HGNC:HGNC:8760}

Function
Inhibitory receptor on antigen activated T-cells that plays a critical role in induction and maintenance of immune tolerance to self (PubMed:21276005). Delivers inhibitory signals upon binding to ligands CD274/PDCD1L1 and CD273/PDCD1LG2 (PubMed:21276005). Following T-cell receptor (TCR) engagement, PDCD1 associates with CD3-TCR in the immunological synapse and directly inhibits T-cell activation (By similarity). Suppresses T-cell activation through the recruitment of PTPN11/SHP-2: following ligand-binding, PDCD1 is phosphorylated within the ITSM motif, leading to the recruitment of the protein tyrosine phosphatase PTPN11/SHP-2 that mediates dephosphorylation of key TCR proximal signaling molecules, such as ZAP70, PRKCQ/PKCtheta and

CD247/CD3zeta (By similarity).

Cellular Location
Cell membrane; Single-pass type I membrane protein

Anti-PDCD1 / CD279 / PD-1 Antibody (clone 3C6) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-PDCD1 / CD279 / PD-1 Antibody (clone 3C6) - Images