

**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	O15116
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-I, PD1, Protein
PD-1, SLEB2, PD-1, CD279 antigen,
Programmed cell death 1**Target/Specificity**

Human PDCD1 / CD279 / PD-1

Reconstitution & Storage

Immunoaffinity purified

PrecautionsAnti-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:<a href="http://www.uniprot.o
rg/citations/21276005"

target="_blank">21276005). Delivers inhibitory signals upon binding to ligands CD274/PDCD1L1 and CD273/PDCD1LG2 (PubMed:<a href="http://www.uniprot.org/citations/21276005"

target="_blank">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 Cytometry](#)
- [Cell Culture](#)