

**Anti-PDCD1 / PD-1 / CD279 Reference Antibody (dostarlimab)
Recombinant Antibody
Catalog # APR10285****Specification****Anti-PDCD1 / PD-1 / CD279 Reference Antibody (dostarlimab) - Product Information**

| | |
|-------------------|------------------------|
| Application | FC, E, FTA |
| Primary Accession | Q15116 |
| Reactivity | Cynomolgus, Human |
| Clonality | Monoclonal |
| Isotype | IgG4SP |
| Calculated MW | 144.18 KDa |

Anti-PDCD1 / PD-1 / CD279 Reference Antibody (dostarlimab) - Additional Information**Target/Specificity**

PDCD1 / PD-1 / CD279

Endotoxin

< 0.001EU/ µg, determined by LAL method.

Conjugation

Unconjugated

Expression system

CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-PDCD1 / PD-1 / CD279 Reference Antibody (dostarlimab) - 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](http://www.uniprot.org/citations/21276005)). Delivers inhibitory signals upon binding to ligands CD274/PDCD1L1 and CD273/PDCD1LG2 (PubMed: [21276005](http://www.uniprot.org/citations/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/PKtheta and CD247/CD3zeta (By similarity).

Cellular Location

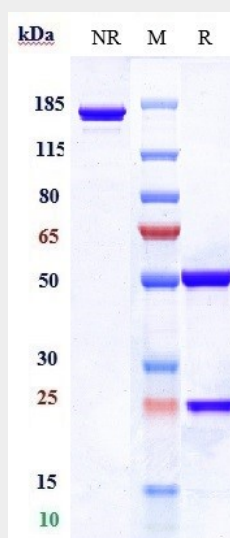
Cell membrane; Single-pass type I membrane protein

Anti-PDCD1 / PD-1 / CD279 Reference Antibody (dostarlimab) - Protocols

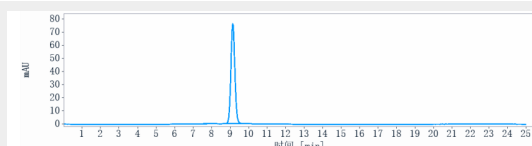
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PDCD1 / PD-1 / CD279 Reference Antibody (dostarlimab) - Images



Anti-PDCD1 / PD-1 / CD279 Reference Antibody (dostarlimab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-PDCD1 / PD-1 / CD279 Reference Antibody (dostarlimab) is more than 99.31%, determined by SEC-HPLC.