

Anti-PDCD1 / PD-1 / CD279 Reference Antibody (geptanolimab)

Recombinant Antibody
Catalog # APR10367

Product Information

| | |
|-------------------|----------------------------|
| Application | FC, Kinetics, Animal Model |
| Primary Accession | Q15116 |
| Reactivity | Human |
| Clonality | Monoclonal |
| Isotype | IgG4SP |
| Calculated MW | 31647 |

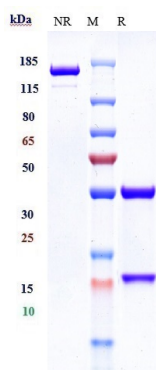
Additional Information

| | |
|--------------------------|--|
| Target/Specificity | PDCD1 / PD-1 / CD279 |
| Endotoxin 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. |

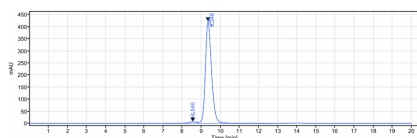
Protein Information

| | |
|-------------------|--|
| 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 , PubMed: 37208329). 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 |

Images



Anti-PDCD1 / PD-1 / CD279 Reference Antibody (geptanolimab) 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 (geptanolimab) is more than 97.72% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.