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Anti-PDCD1 / PD-1 / CD279 Reference Antibody (UCB patent anti-PD-1)

Recombinant Antibody
Catalog # APR11007

Specification

Anti-PDCD1 / PD-1 / CD279 Reference Antibody (UCB patent anti-PD-1) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	Q15116
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG4SP**
Calculated MW	**150 KDa**

Anti-PDCD1 / PD-1 / CD279 Reference Antibody (UCB patent anti-PD-1) - 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 (UCB patent anti-PD-1) - 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).

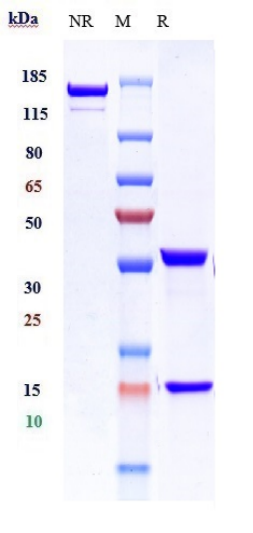
Cellular Location
Cell membrane; Single-pass type I membrane protein

Anti-PDCD1 / PD-1 / CD279 Reference Antibody (UCB patent anti-PD-1) - Protocols

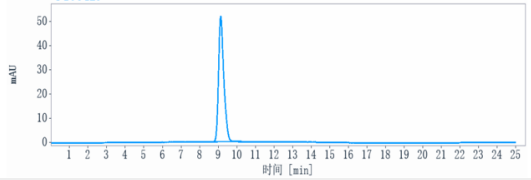
Provided below are standard protocols that you may find useful for product applications.

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

Anti-PDCD1 / PD-1 / CD279 Reference Antibody (UCB patent anti-PD-1) - Images



Anti-PDCD1 / PD-1 / CD279 Reference Antibody (UCB patent anti-PD-1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-PDCD1 / PD-1 / CD279 Reference Antibody (UCB patent anti-PD-1)is more than 95% ,determined by SEC-HPLC.