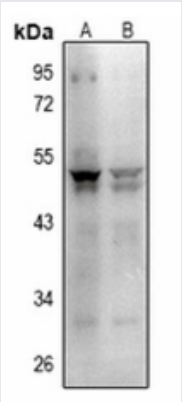
CD279 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CD279, Polyclonal Antibody
Full Product Name	CD279 Antibody
Product Gene Name	anti-CD279 antibody
Product Synonym Gene Name	PDCD1
Product Synonym Names	PD1; Programmed cell death protein 1; Protein PD-1; hPD-1; CD279
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CD279 protein.
Preparation and Storage	Store at -20 degree C for one year. Avoid freeze/thaw cycles.
OMIM	L27440 Genomic DNA
3D Structure	ModBase 3D Structure for Q15116
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD279. The exact sequence is proprietary.
Conjugation	AF647
Product Categories/Family for anti-CD279 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD279 antibody	Western Blot (WB), Immunofluorescence (IF), Flow Cytometry (FC)
Application Notes for anti-CD279 antibody	WB 1/500 - 1/1000, IF/FC 1/50- 1/200
Related Product Information for anti-CD279 antibody	MBS8580895 is an antibody targeting CD279. Also known as CD279 Antibody. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to CD279
Other Notes	Small volumes of anti-CD279 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CD279 antibody
Western blot analysis of CD279 expression in K562 (A), U87MG (B) whole cell lysates.
(Predicted band size: 31 kD; Observed band size: 50; 32 kD)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD279. It may not necessarily be applicable to this product.

NCBI GI #	145559515
NCBI GeneID	5133
NCBI Accession #	Q15116.3
UniProt Primary Accession #	Q15116
UniProt Secondary Accession #	O00517; Q8IX89
UniProt Related Accession #	Q15116
NCBI Official Full Name	Programmed cell death protein 1
NCBI Official Synonym Full Names	programmed cell death 1
NCBI Official Symbol	PDCD1
NCBI Official Synonym Symbols	PD1; PD-1; CD279; SLEB2; hPD-1; hPD-l; hSLE1
UniProt Protein Name	Programmed cell death protein 1
UniProt Synonym Protein Names	CD_antigen: CD279
Protein Family	Programmed cell death protein
UniProt Gene Name	PDCD1
UniProt Synonym Gene Names	PD1; Protein PD-1; hPD-1
NCBI Protein Information	programmed cell death protein 1
NCBI Summary for CD279	This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases. [provided by RefSeq, Jul 2008]
UniProt Comments for CD279	Inhibitory cell surface receptor involved in the regulation of T-cell function during immunity and tolerance. Upon ligand binding, inhibits T-cell effector functions in an antigen-specific manner. Possible cell death inducer, in association with other factors.
Research Articles on CD279	**1.** Report hyperprogression/reduced progression-free survival during anti-PD-1/PD-L1 therapy in patients with recurrent and/or metastatic head and neck squamous cell carcinoma.

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