

Datasheet: MCA6330

BATCH NUMBER 155800

Description:	RABBIT ANTI CD279
Specificity:	CD279
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM309
Isotype:	IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/200 - 1/500
Western Blotting	▪			1/100 - 1/200

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to the N-terminus of Human CD279
External Database	UniProt:

Links

[Q15116](#) [Related reagents](#)

Entrez Gene:

[5133](#) PDCD1 [Related reagents](#)

Synonyms PD1

Specificity **Rabbit anti Human CD279 antibody** recognizes programmed cell death protein 1 (PDCD1), also known as PD1. CD279 is a transmembrane protein expressed in immune cells such as T, B, and NK cells ([Arasanz et al. 2017](#)). The protein has an immunosuppressive effect during T cell activation, and regulates effector functions during acute and chronic infection, cancer and autoimmunity. In this way, CD279 plays an important role in balancing protective immunity and immunopathology ([Sharpe and Pauken. 2017](#)). Cancer immunotherapies that target CD279 aim to restore correct T cell function, allowing T cells to eliminate infections and cancer ([Nguyen and Ohashi 2014](#)). Antibodies which specifically block CD279 are approved in multiple countries for melanoma and for non-small cell lung cancer, among other cancer types ([Iwai et al. 2017](#)).

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6330>
10048

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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