

Datasheet: MCA6329

BATCH NUMBER 167465

Description:	RABBIT ANTI CD274
Specificity:	CD274
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM320
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 - 1/1000
Western Blotting	▪			1/500 - 1/1000
Immunocytochemistry	▪			1/200 - 1/500

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 Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin 50% Glycerol
Immunogen	A peptide corresponding to the C-terminus of Human CD274

**External Database
Links**

UniProt:

[Q9EP73](#) [Related reagents](#)

Entrez Gene:

[60533](#) Cd274 [Related reagents](#)

Synonyms

B7h1, Pdcd1l1, Pdcd1lg1, Pdl1

Specificity

Rabbit anti Human CD274 antibody recognizes programmed cell death 1 ligand 1 (PD-L1), also known as B7-H1. CD274 is a cell-surface glycoprotein induced by cytokines, importantly interferon gamma from T helper cells under inflammatory conditions ([Inaguma et al. 2017](#)). CD274 is expressed in a range of tissues, but mostly in activated T and B lymphocyte cells, dendritic cells, and monocytes ([Fabrizio et al. 2018](#)). CD274 is an inhibitory immune checkpoint inhibitor which plays a role in maintaining peripheral T-lymphocyte tolerance and regulating inflammation (Schutz et al. 2017). Constitutive upregulation of CD274 has been identified in solid tumors ([Franzen et al. 2017](#)), and expression of CD274 in the tumor microenvironment appears to be one of the main mechanisms in which cancer can evade the immune system via inhibiting anti-tumor T-cell immunity ([Zou et al. 2016](#)).

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/MCA6329>
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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