

## Datasheet: MCA6329

<b>Description:</b>	RABBIT ANTI CD274
<b>Specificity:</b>	CD274
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM320
<b>Isotype:</b>	IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin 50% Glycerol
<b>Immunogen</b>	A peptide corresponding to the C-terminus of Human CD274
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**

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

---

**Synonyms** B7h1, Pdc111, Pdc11g1, 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](#)

**North & South America** Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M376315:210127'

Printed on 19 Jan 2024

