

# Datasheet: MCA6131

**BATCH NUMBER 160210**

<b>Description:</b>	MOUSE ANTI HUMAN CD273
<b>Specificity:</b>	CD273
<b>Other names:</b>	PD-L2
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	24F.10C12
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry	▪			
Immunohistology - Frozen	▪			
Functional Assays	▪			

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 on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

## External Database

## Links

## UniProt:

[Q9BQ51](#)[Related reagents](#)

## Entrez Gene:

[80380](#)

PDCD1LG2

[Related reagents](#)

## Synonyms

B7DC, CD273, PDCD1L2, PDL2

## Specificity

**Mouse anti Human CD273 antibody, clone 24F.10C12** detects human [CD273](#), also known as B7-DC and Programmed Death Ligand 2 (PD-L2). CD273 is a ~42 kDa member of the immunoglobulin receptor superfamily, and is a ligand for [CD279](#) (PD-1). CD273 is primarily expressed on dendritic cells, and its expression can be induced on inflammatory macrophages when activated by interleukin 4 or Th2 cells.

CD273 functions to inhibit T-cell proliferation by blocking cell cycle progression and cytokine production, and is particularly important in the maintenance of self tolerance.

Clone 24F.10C12 is reported to block CD273 activity and enhance T-cell proliferation ([Brown \*et al.\* 2003](#))

## Purity

&gt;95% by SDS PAGE

## Storage

Store at +4°C. DO NOT FREEZE.  
This product should be stored undiluted.

## Guarantee

12 months from date of despatch

## Health And Safety Information

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6131>  
10040

## Regulatory

For research purposes only

## Related Products

## Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)

[RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...)

[HRP](#)

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

Goat Anti Mouse IgG (STAR70...)

[FITC](#)

Goat Anti Mouse IgG (H/L) (STAR117...)

[Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

Rabbit Anti Mouse IgG (STAR9...)

[FITC](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

## Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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://bio-rad-antibodies.com/datasheets)  
'M353620:190509'

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