

Datasheet: MCA6131PE

Description:	MOUSE ANTI HUMAN CD273:RPE
Specificity:	CD273
Other names:	PD-L2
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	24F.10C12
Isotype:	IgG2a
Quantity:	100 TESTS/1ml

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
Flow Cytometry	▪			Neat

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 conjugated to R. Phycoerythrin (RPE) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
RPE 488nm laser	496	578
RPE 561nm laser	546	578

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

<0.1% Sodium Azide (NaN₃)
0.2% Bovine Serum Albumin

Immunogen

Human CD273

**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

>95% by SDS PAGE

Flow Cytometry

Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul

Storage

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light.

Guarantee

Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6131PE>
10041

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:RPE \(MCA929PE\)](#)

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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

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