

Datasheet: AHP2128

**BATCH NUMBER 151949**

<b>Description:</b>	GOAT ANTI HUMAN CD274 (C-TERMINAL)
<b>Specificity:</b>	CD274 (C-TERMINAL)
<b>Other names:</b>	PD-L1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<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			▪	
Immunohistology - Paraffin (1)	▪			4.0 - 6.0ug/ml
ELISA	▪			1/8000
Immunoprecipitation			▪	
Western Blotting	▪			0.3 - 1.0ug/ml

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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.**

<b>Target Species</b>	Human
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<b>Product Form</b>	Purified IgG - liquid
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<b>Antiserum Preparation</b>	Antiserum to human CD274 (CT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
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<b>Buffer Solution</b>	TRIS buffered saline
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<b>Preservative</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
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<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Synthetic peptide sequence CKKQSDTHLEET from the C-Terminal region of CD274 (NP_054862.1).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9NZQ7</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">29126</a>    CD274    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	B7H1, PDCD1L1, PDCD1LG1, PDL1
<b>RRID</b>	AB_2073434
<b>Specificity</b>	<p><b>Goat anti Human CD274 antibody</b> recognizes an epitope within the C-terminal (CT) region of human CD274, otherwise known as PD-L1, a cell surface glycoprotein and member of the B7 family of co-stimulatory molecules, constitutively expressed on macrophages and dendritic cells, and inducible on activated T-cells, B-cells, endothelial cells and epithelial cells, in response to interferons.</p> <p>CD274 acts as both a co-stimulatory and co-inhibitory molecule, co-stimulating early T cell priming, differentiation and IL-10 production, and inhibiting T cell proliferation and TCR-mediated activation of IL-2 production, through interaction with the receptor CD279/PD-1.</p>
<b>Histology Positive Control Tissue</b>	Human skeletal muscle
<b>Western Blotting</b>	AHP2128 detects a band of approximately 35kDa in human heart cell lysates.
<b>References</b>	1. Duchnowska, R. <i>et al.</i> (2016) Immune response in breast cancer brain metastases and their microenvironment: the role of the PD-1/PD-L axis. <a href="#">Breast Cancer Res. 18 (1): 43.</a>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2128">https://www.bio-rad-antibodies.com/SDS/AHP2128</a> 10058

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

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

**Worldwide**

Tel: +44 (0)1865 852 700

**Europe**

Tel: +49 (0) 89 8090 95 21

**America** Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

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

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

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://bio-rad-antibodies.com/datasheets)

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