

Datasheet: AHP2128

Description:	GOAT ANTI HUMAN CD274 (C-TERMINAL)
Specificity:	CD274 (C-TERMINAL)
Other names:	PD-L1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human CD274 (CT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 0.5% Bovine Serum Albumin

Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Synthetic peptide sequence CKKQSDTHLEET from the C-Terminal region of CD274 (NP_054862.1).
External Database Links	<p>UniProt: Q9NZQ7 Related reagents</p> <p>Entrez Gene: 29126 CD274 Related reagents</p>
Synonyms	B7H1, PDCD1L1, PDCD1LG1, PDL1
RRID	AB_2073434
Specificity	<p>Goat anti Human CD274 antibody 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>
Histology Positive Control Tissue	Human skeletal muscle
Western Blotting	AHP2128 detects a band of approximately 35kDa in human heart cell lysates.
References	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. Breast Cancer Res. 18 (1): 43.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10058 available at: https://www.bio-rad-antibodies.com/SDS/AHP2128 10058

Related Products

Recommended Secondary Antibodies

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

Recommended Useful Reagents

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

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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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