

Datasheet: AHP2128

BATCH NUMBER 158229

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| 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.

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| 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 | 0.02% Sodium Azide (NaN ₃) |

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| Stabilisers | 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>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> |
| 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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