

## Datasheet: AHP1704

<b>Description:</b>	RABBIT ANTI HUMAN CD273
<b>Specificity:</b>	CD273
<b>Other names:</b>	PD-L2
<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
Immunohistology - Paraffin (1)	▪			2.5ug/ml
Western Blotting	▪			0.5 - 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
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to Human CD273 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	A peptide corresponding to a 16 amino acid sequence from near the centre of Human CD273.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9BQ51</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">80380</a>    PDCD1LG2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	B7DC, CD273, PDCD1L2, PDL2
<b>RRID</b>	AB_2162165
<b>Specificity</b>	<p><b>Rabbit anti Human CD273 antibody</b> recognizes human CD273, also known as B7-DC and Programmed Death Ligand 2 (PD-L2). CD273 is a single-pass type 1 membrane protein belonging to the immunoglobulin receptor superfamily, and is a ligand for CD279 (PD-1).</p> <p>CD273 is highly expressed in the tissues of the heart, liver, lung, placenta and pancreas. It is expressed in dendritic cells, and its expression can be induced on inflammatory macrophages when activated by interleukin 4 or Th2 cells.</p> <p>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.</p>
<b>Histology Positive Control Tissue</b>	Mouse brain tissue
<b>Western Blotting</b>	AHP1704 detects a band of approximately 30kDa in Raji cell lysate
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>1. Zhang, Y. <i>et al.</i> (2006) Regulation of T cell activation and tolerance by PDL2. <a href="#">Proc Natl Acad Sci U S A. 103 (31): 11695-700.</a></li> <li>2. LaGier, A.J. &amp; Pober, J.S. (2006) Immune accessory functions of human endothelial cells are modulated by overexpression of B7-H1 (PDL1). <a href="#">Hum Immunol. 67 (8): 568-78.</a></li> <li>3. Ishida, Y. <i>et al.</i> (1992) Induced expression of PD-1, a novel member of the immunoglobulin gene superfamily, upon programmed cell death. <a href="#">EMBO J. 11 (11): 3887-95.</a></li> <li>4. Holling, T.M. <i>et al.</i> (2004) Function and regulation of MHC class II molecules in T-lymphocytes: of mice and men. <a href="#">Hum Immunol. 65 (4): 282-90.</a></li> </ol>
<b>Storage</b>	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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1704">https://www.bio-rad-antibodies.com/SDS/AHP1704</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

### Recommended Useful Reagents

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

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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)

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