

## Datasheet: AHP1823

<b>Description:</b>	GOAT ANTI HUMAN CD289 (N-TERMINAL)
<b>Specificity:</b>	CD289 (N-TERMINAL)
<b>Other names:</b>	TLR9
<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)	▪			1:250
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1:1000

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 <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

**Antiserum Preparation** Antiserum to human CD289 (NT) 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>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
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<b>Immunogen</b>	Synthetic peptide SLKYNNLTVVPRNLPSSLEYLLLSYNRIVKL corresponding to amino acids 205-235 within the N-terminal domain of human CD289.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q9NR96</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">54106</a> TLR9 <a href="#">Related reagents</a>
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<b>RRID</b>	AB_2271833
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<b>Specificity</b>	<b>Goat anti Human CD289 antibody</b> recognizes an epitope within the N-terminal (NT) region of CD289, otherwise known as Toll-like receptor 9 (TLR9), a type I transmembrane glycoprotein and member of the toll-like receptor family, which triggers MyD88 and TRAF6, resulting in NF-kappaB activation, cytokine secretion and the inflammatory response. CD289 acts as a receptor for unmethylated cytidine-phosphate-guanosine dinucleotides in bacterial DNA (CpG-DNA), playing a primary role in pathogen recognition and activation of innate immunity. Goat anti Human CD289 antibody is suitable for use in immunocytochemistry on acetone fixed cells.
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<b>Histology Positive Control Tissue</b>	Spleen or tonsil
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<b>Storage</b>	<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>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1823">https://www.bio-rad-antibodies.com/SDS/AHP1823</a> 10040
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<b>Regulatory</b>	For research purposes only
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## 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](https://bio-rad-antibodies.com/datasheets)

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