

## Datasheet: AAM74

<b>Description:</b>	GOAT ANTI MOUSE 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	▪			1:125
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1:500

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.

### Target Species

Mouse

### Species Cross Reactivity

Reacts with: Human

**N.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.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antiserum to mouse CD289 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

<b>Preservative</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Synthetic peptide LSLKYNNLTKVPRQLPPSLEY-C corresponding to amino acids 204-224 within the N-terminal region of mouse CD289.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">Q9NR96</a>      <a href="#">Related reagents</a></p> <p><a href="#">Q9EQU3</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">54106</a> TLR9      <a href="#">Related reagents</a></p> <p><a href="#">81897</a> Tlr9      <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_2203634
<b>Specificity</b>	<p><b>Goat anti Mouse CD289 antibody</b> recognises murine Toll-like receptor 9, also known as CD289 or TLR9. CD289 is an 1032 amino acid ~120 kDa endosomal single pass type I transmembrane glycoprotein with a number of <a href="#">leucine rich repeats</a> and a single <a href="#">TIR</a> domain (<a href="#">UniProt: Q9NR96</a>). Goat anti Mouse CD289 antibody recognizes an epitope within the N-terminal (NT) region of CD289, a member of the toll-like receptor family, which triggers MyD88 and TRAF6, resulting in NF-kappaB activation, cytokine secretion and the inflammatory response.</p> <p>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 and has been shown to play a role in defence against systemic mouse cytomegalovirus infection.</p> <p>Goat anti Mouse CD289 antibody is reported as suitable for use in immunocytochemistry on acetone fixed cells.</p>
<b>Histology Positive Control Tissue</b>	Spleen, thymus or tonsil
<b>References</b>	1. Ripoll, V.M. <i>et al.</i> (2010) Macrophages from BALB/c and CBA/Ca mice differ in their cellular responses to <i>Streptococcus pneumoniae</i> . <a href="#">J Leukoc Biol. 87: 735-41.</a>
<b>Storage</b>	<p>Store at -20°C only.</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 #10041 available at:  
10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

---

**Regulatory** For research purposes only

---

## 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

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

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

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

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

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

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

'M389825:210806'

**Printed on 21 Mar 2022**

---

© 2022 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)