

Datasheet: AAM74

BATCH NUMBER 180319

Description:	GOAT ANTI MOUSE CD289 (N-TERMINAL)
Specificity:	CD289 (N-TERMINAL)
Other names:	TLR9
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	▪			1:125
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	<p>Reacts with: Human</p> <p>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.</p>
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
Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	0.1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide LSLKYNNLTKVPRQLPPSLEY-C corresponding to amino acids 204-224 within the N-terminal region of mouse CD289.
External Database Links	<p>UniProt:</p> <p>Q9NR96 Related reagents</p> <p>Q9EQU3 Related reagents</p> <p>Entrez Gene:</p> <p>54106 TLR9 Related reagents</p> <p>81897 Tlr9 Related reagents</p>
RRID	AB_2203634
Specificity	<p>Goat anti Mouse CD289 antibody 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 leucine rich repeats and a single TIR domain (UniProt: Q9NR96). 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>
Histology Positive Control Tissue	Spleen, thymus or tonsil
References	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> . J Leukoc Biol. 87: 735-41.
Storage	<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</p>

microcentrifugation before use.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/AAM74 10041
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Regulatory	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://www.bio-rad-antibodies.com/datasheets)

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