

Datasheet: AHP1022

Description:	RABBIT ANTI HUMAN CD289
Specificity:	CD289
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			▪	
ELISA			▪	
Immunoprecipitation			▪	
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.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human CD289 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	A synthetic peptide corresponding to a 15 amino acid sequence located near the centre of human

CD289.

External Database**Links****UniProt:**[Q9NR96](#)[Related reagents](#)**Entrez Gene:**[54106](#)

TLR9

[Related reagents](#)

Specificity

Rabbit anti Human CD289 antibody recognizes human CD289, otherwise known as toll receptor 9, a member of the evolutionarily conserved toll-like receptor family (TLRs), which play an important role in the recognition of invading microbial pathogens during innate immunity.

CD289 is expressed preferentially by the spleen, lymph node, bone marrow and peripheral blood leucocytes and recognizes viral DNA and unmethylated CpG sequences in bacterial DNA. Unlike other TLRs, TLR9 is dependant upon the adaptor molecule MyD88 for signaling activation.

Rabbit anti Human CD289 antibody has been shown as suitable for use in IHC on human Jurkat cell cytopins @ 2ug/ml.

Western Blotting

AHP1022 detects a band of approximately 95kDa in human Jurkat cell lysates . (Predicted Mwt. 115-120kDa).

Further Reading

1. Wagner, H. (2004) The immunobiology of the TLR9 subfamily. [Trends Immunol. 25 \(7\): 381-6.](#)
2. McGettrick, A.F. & O'Neill, L.A. (2004) The expanding family of MyD88-like adaptors in Toll-like receptor signal transduction. [Mol Immunol. 41 \(6-7\): 577-82.](#)

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:

10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)

[FITC](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)

[HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)

[Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...)

[Biotin](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight@488](#), [DyLight@549](#), [DyLight@649](#),[DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

North & South Tel: +1 800 265 7376

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