

Datasheet: AHP1181

Description:	RABBIT ANTI HUMAN CD281 (N-TERMINAL)
Specificity:	CD281 (N-TERMINAL)
Other names:	TLR1
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	▪			10ug/ml
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1 - 4ug/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 N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to CD281 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG 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 16 amino acid peptide located near the amino terminus of human CD281.

**External Database
Links**

UniProt:

[Q15399](#) [Related reagents](#)

Entrez Gene:

[7096](#) TLR1 [Related reagents](#)

Synonyms

KIAA0012

RRID

AB_2204275

Specificity

Rabbit anti Human CD281 antibody detects an epitope within the N-terminal (NT) region of CD281, also known as toll like receptor 1 (TLR1). TLRs recognize pathogen associated molecular patterns (PAMPs) that are expressed on infectious agents, and serve as an important link between the innate and adaptive immune response through the production of cytokines. TLR1 is co-expressed with TLR2 on monocytes and dendritic cells where they form heterodimers that can recognize peptidoglycan and bacterial lipopeptides, and in particular triacylated lipoproteins.

TLR1 can also regulate other TLR responses; TLR1 can associate with TLR4 and inhibit its signalling in endothelial cells, and can associate with TLR2 to inhibit the TLR2/TLR6 mediated response to phenol-soluble modulin.

**Histology Positive
Control Tissue**

Mouse spleen.

Western Blotting

Rabbit anti Human CD281 detects a band of approximately 90kDa in mouse spleen lysates.

Further Reading

1. Hajjar, A.M .*et al.* (2001) Cutting edge: functional interactions between toll-like receptor (TLR) 2 and TLR1 or TLR6 in response to phenol-soluble modulin. [J Immunol. 166 \(1\): 15-9.](#)
2. Janssens, S. & Beyaert, R. (2003) Role of Toll-like receptors in pathogen recognition. [Clin Microbiol Rev. 16 \(4\): 637-46.](#)
3. Spitzer JH *et al.* (2002) Toll-like receptor 1 inhibits Toll-like receptor 4 signaling in endothelial cells. [Eur J Immunol. 32 \(4\): 1182-7.](#)

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.

Guarantee

12 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](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

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