

Datasheet: AHP1021

Description:	RABBIT ANTI HUMAN CD286
Specificity:	CD286
Other names:	TLR6
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
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
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human CD286 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum 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 13 amino acid sequence located near the centre of human CD286.
External Database Links	UniProt: Q9Y2C9 Related reagents

Entrez Gene:

[10333](#) TLR6 [Related reagents](#)

Specificity **Rabbit anti Human CD286 antibody** recognizes human CD286, also known as Toll-like receptor 6 (TLR6), a member of the evolutionarily conserved toll-like receptor family (TLRs) and close homologue of CD281 (TLR1), that is expressed by monocytes, CD11c⁺ immature dendritic cells and endothelial cells of skin microvessels.

TLRs play an important role in the recognition of invading microbial pathogens during innate immunity, acting through adaptor molecules such as MyD88 and TRAF6. CD286 acts via a cytokine signaling pathway to induce the activation of NF-kappaB, through the formation of dimers with CD282 (TLR2) which coordinate macrophage activation by Gram-positive bacteria and zymosan. CD286/CD282 dimers are also involved in apoptotic responses through recognition of mycoplasmal lipoproteins.

Rabbit anti Human CD286 antibody does not recognize CD281 (TLR1).

Rabbit anti Human CD286 antibody has been shown as suitable for use in IHC on Jurkat cell cytopins at 2ug/ml.

Western Blotting AHP1021 detects a band of approximately 98kDa and 110kDa in human Jurkat cell lysates (predicted Mwt. 91.9kDa). Doublet band may be due to protein modification or the recognition of two different isoforms by the same gene.

Further Reading

1. Into, T. *et al.* (2004) Stimulation of human Toll-like receptor (TLR) 2 and TLR6 with membrane lipoproteins of *Mycoplasma fermentans* induces apoptotic cell death after NF-kappa B activation. [Cell Microbiol. 6 \(2\): 187-99.](#)
2. Ozinsky, A. *et al.* (2000) The repertoire for pattern recognition of pathogens by the innate immune system is defined by cooperation between toll-like receptors. [Proc Natl Acad Sci U S A. 97 \(25\): 13766-71.](#)

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 \(STAR209P\)](#)

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