

## Datasheet: AHP1021

<b>Description:</b>	RABBIT ANTI HUMAN CD286
<b>Specificity:</b>	CD286
<b>Other names:</b>	TLR6
<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
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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	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.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	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](#)

---

**RRID** AB\_609801

---

**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<sup>+</sup> 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**

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

---

**Guarantee**

12 months from date of despatch

---

**Health And Safety Information**      Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP1021>  
10040

---

**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 (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR36...)      [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

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)  
'M382781:210513'

**Printed on 18 Jan 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)