

Datasheet: AHP1019

**BATCH NUMBER 151091**

<b>Description:</b>	RABBIT ANTI HUMAN CD283
<b>Specificity:</b>	CD283
<b>Other names:</b>	TLR3
<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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1.0 - 2.0ug/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

**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.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antisera to human CD283 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared 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
<b>Immunogen</b>	Synthetic peptide corresponding to a 15 amino acid sequence located near human CD283 carboxy-terminus.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">O15455</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7098</a>    TLR3    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_609799
<b>Specificity</b>	<p><b>Rabbit anti Human CD283 antibody</b> recognizes human CD283, otherwise known as toll receptor 3, a 103.8 kDa member of the evolutionarily conserved toll-like receptor family (TLRs), expressed at high levels in the placenta and pancreas and also expressed by dendritic cells.</p> <p>TLRs play an important role in the recognition of invading microbial pathogens during innate immunity, acting through adaptor molecules such as MyD88 and TRAF6. CD283 acts via a cytokine signaling pathway to induce the activation of NF-kappaB and type I interferons, and has been shown to recognize double-stranded viral RNA, including that of the Influenza A and West Nile virus.</p> <p>Rabbit anti Human CD283 antibody has been shown as suitable for use in IHC on EL4 cytoplasts at 1ug/ml.</p>
<b>Western Blotting</b>	AHP1019 detects a band of approximately 103.8kDa in human Daudi cell lysates.
<b>Further Reading</b>	<ol style="list-style-type: none"> <li>Alexopoulou, L. <i>et al.</i> (2001) Recognition of double-stranded RNA and activation of NF-kappaB by Toll-like receptor 3. <a href="#">Nature. 413 (6857): 732-8.</a></li> <li>Guillot, L. <i>et al.</i> (2005) Involvement of toll-like receptor 3 in the immune response of lung epithelial cells to double-stranded RNA and influenza A virus. <a href="#">J Biol Chem. 280 (7): 5571-80.</a></li> <li>Wang, T. <i>et al.</i> (2004) Toll-like receptor 3 mediates West Nile virus entry into the brain causing lethal encephalitis. <a href="#">Nat Med. 10 (12): 1366-73.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</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 microcentrifugation before use.</p>

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<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1019">https://www.bio-rad-antibodies.com/SDS/AHP1019</a> 10040
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
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>
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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://bio-rad-antibodies.com/datasheets)  
'M363774:200529'

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