

Datasheet: AHP1019

Description:	RABBIT ANTI HUMAN CD283
Specificity:	CD283
Other names:	TLR3
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	▪			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.
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 ion exchange chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide corresponding to a 15 amino acid sequence located near human CD283 carboxy-

terminus.

External Database Links

UniProt:
[O15455](#) [Related reagents](#)

Entrez Gene:
[7098](#) TLR3 [Related reagents](#)

Specificity

Rabbit anti Human CD283 antibody 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.

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.

Rabbit anti Human CD283 antibody has been shown as suitable for use in IHC on EL4 cytopins at 1ug/ml.

Western Blotting

AHP1019 detects a band of approximately 103.8kDa in human Daudi cell lysates.

Further Reading

1. Alexopoulou, L. *et al.* (2001) Recognition of double-stranded RNA and activation of NF-kappaB by Toll-like receptor 3. [Nature. 413 \(6857\): 732-8.](#)
2. Guillot, L. *et al.* (2005) Involvement of toll-like receptor 3 in the immune response of lung epithelial cells to double-stranded RNA and influenza A virus. [J Biol Chem. 280 \(7\): 5571-80.](#)
3. Wang, T. *et al.* (2004) Toll-like receptor 3 mediates West Nile virus entry into the brain causing lethal encephalitis. [Nat Med. 10 \(12\): 1366-73.](#)

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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