

Datasheet: MCA2061SBV570

Description:	MOUSE ANTI HUMAN CD284:StarBright Violet 570			
Specificity:	CD284			
Other names:	TLR4			
Format:	StarBright Violet 570			
Product Type:	Monoclonal Antibody			
Clone:	HTA125			
Isotype:	IgG2a			
Quantity:	100 TESTS/0.5ml			

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	•			Neat

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	N.B. Antibody reactive reactivity is derived f	Monkey, Guinea Pig, I vity and working conditi rom testing within our I tions from the originato	ions may vary betw aboratories, peer-re	eviewed publications		
Product Form	Purified IgG conjugated to StarBright Violet 570 - liquid					
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm	1)		
	StarBright Violet 570	404	571			
Preparation	Purified IgG prepared supernatant	d by affinity chromatog	raphy on Protein A	from tissue culture		
Buffer Solution	Phosphate buffered	saline				

Preservative Stabilisers

0.09% Sodium Azide (NaN₃) 1% Bovine Serum Albumin

0.1% Pluronic F68 0.1% PEG 3350 0.05% Tween 20

Immunogen

Ba/F3 cell line expressing TLR4 (CD284).

External Database Links

UniProt:

O00206 Related reagents

Entrez Gene:

7099 TLR4 Related reagents

Fusion Partners

Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.

Specificity

Mouse anti Human CD284 antibody, clone HTA125 recognizes the human Toll like receptor 4 (TLR4) cell surface antigen.

TLR4, also known as CD284, has been demonstrated to act as a receptor for LPS on human monocytes and macrophages. TLR4 signalling of LPS stimulation requires the presence of the MD-2 molecule.

TLR4 is weakly expressed by resting cells, but is upregulated following stimulation with LPS.

This antibody has been demonstrated to block activation of monocytes with LPS. The use of a preservative free format of Mouse anti Human CD284 antibody, clone HTA125 (MCA2061EL) is recommended for functional assays.

Flow Cytometry

Use 5μl of the suggested working dilution to label 10⁶ cells in 100μl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.

References

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Receptors on Dendritic Cells Affects Dendritic Cell Function. J Immunol. 203 (1): 148-57.

Storage Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted.

Guarantee 12 months from date of despatch

Acknowledgements This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts

Health And Safety Information Material Safety Datasheet documentation #20471 available at:
https://www.bio-rad-antibodies.com/SDS/MCA2061SBV570 20471

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

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Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50

Email: antibody sales us@bio-rad.com

Email: antibody sales uk@bio-rad.com

Email: antibody sales de@bio-rad.com

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