

Datasheet: MCA477SBUV445

Description:	MOUSE ANTI HUMAN HLA DP DQ DR:StarBright UltraViolet 445		
Specificity:	HLA DP DQ DR		
Format:	StarBright UltraViolet 445		
Product Type:	Monoclonal Antibody		
Clone:	WR18		
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			
Product Form	Purified IgG conjugate	ed to StarBright UltraV	/iolet 445 - liquid	
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)	
	StarBright UltraViolet 445	347	440	
Preparation	Purified IgG prepared supernatant	Purified IgG prepared by affinity chromatography on Protein G supernatant		
Buffer Solution	Phosphate buffered s	aline		
Preservative	0.09% Sodium Azide	(NaN ₃)		
Stabilisers	1% Bovine Serum Alb	oumin		
	0.1% Pluronic F68			
	0.1% PEG 3350			
	0.05% Tween 20			

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Human HLA Class II (DP, DQ, DR).

Fusion Partners

Spleen cells from immunized BALB/c mice were fused with cells from NS0 mouse myeloma cell line.

Specificity

Mouse anti Human HLA DP DQ DR antibody, clone WR18 reacts with a monomorphic determinant common to DP, DQ and DR beta chains, which are expressed by antigen presenting cells, B cells, monocytes and activated T lymphocytes.

The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In humans, this complex is referred to as the human leukocyte antigen (HLA) region. There are 3 major MHC class II proteins encoded by the HLA which are HLA DP, HLA DQ and HLA DR.

Flow Cytometry

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

References

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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/MCA477SBUV445			

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South Tel: +1 800 265 7376 America

Worldwide

Tel: +44 (0)1865 852 700

Europe

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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 'M395192:220321'

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