

## Datasheet: MCA477SBUV445 BATCH NUMBER 100006452

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:	lgG2a		
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 <u>www.bio-</u> rad-antibodies.com/protocols.				
		Yes No	Not Determined	Suggested Dilution	
	Flow Cytometry	•		Neat	
	necessarily exclude its	use in such proced mmended that the u	ser titrates the product	ng dilutions are given as	
Target Species	Human				
Product Form	Purified IgG conjugate	d to StarBright Ultra	Violet 445 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm	) Emission Max (nm)		
	StarBright UltraViolet 445	347	440		
Preparation	Purified IgG prepared supernatant	by affinity chromato	graphy on Protein G fro	m tissue culture	
Buffer Solution	Phosphate buffered sa	lline			
Preservative Stabilisers	0.09% Sodium Azide ( 1% Bovine Serum Albr 0.1% Pluronic F68 0.1% PEG 3350	0)			

	0.05% Tween 20
Immunogen	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	<b>Mouse anti Human HLA DP DQ DR antibody, clone WR18</b> 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 10 <sup>6</sup> cells in 100ul. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.
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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

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## Printed on 08 Mar 2024

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