

Datasheet: MCA477SBY800

### **BATCH NUMBER 100007778**

Description:	MOUSE ANTI HUMAN HLA DP DQ DR:StarBright Yellow 800		
Specificity:	HLA DP DQ DR		
Format:	StarBright Yellow 800		
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 <a href="www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	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 Yellov	v 800 - liquid
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nn
	StarBright Yellow 800	549	788
Preparation	Purified IgG prepared supernatant		raphy on Protein G
uffer Solution	Phosphate buffered sa	aline	
eservative	0.09% Sodium Azide	(NaN <sub>3</sub> )	
tabilisers	1% Bovine Serum Alb	umin	
	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  $5\mu$ I of the suggested working dilution to label  $10^6$  cells in  $100\mu$ I. 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: <a href="https://www.bio-rad-antibodies.com/SDS/MCA477SBY800">https://www.bio-rad-antibodies.com/SDS/MCA477SBY800</a>

**Regulatory** For research purposes only

# **Related Products**

# **Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

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Worldwide

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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 'M419001:230510'

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