

Datasheet: MCA2894D550

Description:	MOUSE ANTI V5-TAG:DyLight®550
Specificity:	V5-TAG
Other names:	PK-TAG
Format:	DyLight®550
Product Type:	Monoclonal Antibody
Clone:	SV5-Pk4
Isotype:	IgG1
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	▪			Neat - 1/5
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000 - 1/25,000
Immunofluorescence	▪			

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Viral		
Product Form	Purified IgG conjugated to DyLight®550 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	DyLight®550	562	576
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		

Stabilisers

Approx. Protein Concentrations IgG concentration 1 mg/ml

Immunogen A recombinant peptide corresponding to the PK tag fused to a class II - restricted T helper cell epitope.

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 Ag14 myeloma cell line.

Specificity **Mouse anti V5-Tag antibody, clone SV5-Pk4** recognizes a small epitope, termed Pk, present on the P/V proteins of the paramyxovirus, SV5. Mouse anti V5-Tag antibody, clone SV5-Pk4 has been used to detect recombinant proteins, some of which include transmembrane and secreted proteins, which have been tagged with this epitope. Usually, a 14 amino acid tag has been added to the recombinant proteins, although a smaller epitope of 9 amino acids (that as a peptide inhibit the binding of the monoclonal antibody to its native protein) has also been successfully used. The 14 amino acid epitope is; gly lys pro ile pro asn pro leu leu gly leu asp ser thr. (The 9 amino acid epitope is underlined).

References 1. Dunn, C. *et al.* (1999) Fine mapping of the binding sites of monoclonal antibodies raised against the Pk tag. [J Immunol Methods. 224 \(1-2\): 141-50.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Acknowledgements DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

This product is manufactured under an exclusive license from the University of St. Andrews, UK.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2894D550>
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Regulatory For research purposes only

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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