

Datasheet: MCA2895D649GA

Description:	MOUSE ANTI V5-TAG:DyLight®649
Specificity:	V5-TAG
Other names:	PK-TAG
Format:	DyLight®649
Product Type:	Monoclonal Antibody
Clone:	SV5-Pk5
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	▪			
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®649 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Dylight®649	654	673
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		

Preservative Stabilisers	0.09% Sodium Azide
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.
RRID	AB_10846814
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-Pk5 recognizes a small epitope, termed Pk, present on the P/V proteins of the paramyxovirus, SV5. Mouse anti V5-Tag antibody, clone SV5-Pk5 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 <u>ile pro asn pro leu leu gly leu asp</u> ser thr. (The 9 amino acid epitope is underlined).
References	1. Dunn, C. <i>et al.</i> (1999) Fine mapping of the binding sites of monoclonal antibodies raised against the Pk tag. J Immunol Methods. 224 (1-2): 141-50.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	18 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: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

From March 15, 2021, we will no longer supply printed datasheets with our products.

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