

## Datasheet: HCA147D680

Description:	HUMAN ANTI HUMAN ACTIN BETA:DyLight®680		
Specificity:	ACTIN BETA		
Other names:	АСТВ		
Format:	DyLight®680		
Product Type:	Monoclonal Antibody		
Clone:	AbD12141		
Isotype:	HuCAL Fab bivalent		
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 <u>www.bio-rad-antibodies.com/protocols</u> .					
		Yes	No	Not Determined	Suggested Dilution	
	Flow Cytometry			•		
	Immunohistology - Frozen			•		
	Immunohistology - Paraffin			•		
	ELISA			•		
	Immunoprecipitation			•		
	Western Blotting				1/1000 - 1/10000	
	Functional Assays			•		
	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					
Species Cross Reactivity	Reacts with: Mouse, Rat Based on sequence similarity, is expected to react with:Vertebrates, Invertebrates <b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.					
Product Form	A bivalent human recomb display library, expressed		•	<b>e</b> ,		

motif. The antibody is tagged with myc-tag (EQKLISEEDL) and a double extended Strep-tag at the C-terminus of the antibody heavy chain. This antibody is supplied conjugated to DyLight 680 - liquid.

Max Ex/Em	Fluencebare			<b>`</b>			
Max Ex/Em	Fluorophore Dylight®680	Excitation Max (nm) 692	Emission Max (nm 712	)			
	Dylighteooo	092	112				
Preparation	StrepTactin affinity chromatography						
Buffer Solution	Phosphate buffered sa	Phosphate buffered saline					
Preservative Stabilisers	0.09% Sodium Azide						
Approx. Protein Concentrations	lg concentration 1.0 m						
Immunogen	Purified human beta-a	Purified human beta-actin					
External Database Links	UniProt: <u>P60709</u> <u>Relate</u> Entrez Gene:	<u>d reagents</u>					
		ed reagents					
RRID	AB_10846824						
Specificity	Actin beta is ubiquitou survival, motility and r	gene, cytoplasmic act isly expressed in all e e-modelling.	n beta, also known ukaryotic cells, play	as actin cytoplasmic 1. ring a critical role in cell			
	Actin beta is highly conserved throughout evolution, with all vertebrate and invertebrate species reviewed to date bearing a 98% or greater amino acid primary sequence identity to human actin beta. Plant species also exhibit a high degree of primary sequence conservation displaying considerable similarity to animal actin beta. For example, nearly 90% sequence identity is observed between the human ACTB and the model plant species <i>Arabidopsis thaliana</i> (mouse eared cress) ACT1 (Arabidopsis) gene products. Actin beta is a commonly used Western blotting loading control for cell and tissue lysates						
	across many species rendering antibodies a different organisms.	•	•	utionary conservation tein preparations from many			
Western Blotting	HCA147D680 is suitable for use as a loading control						
References	1. Walsh, C.A. <i>et al.</i> ( <i>a</i> marker and key media			HMGCS1 is a novel hinal and basal models of			

	breast cancer. <u>PLoS One. 15 (7): e0236187.</u> 2. Lederhofer, J. <i>et al.</i> (2018) Development of a Virosomal RSV Vaccine Containing 3D-PHAD <sup>®</sup> Adjuvant: Formulation, Composition, and Long-Term Stability. <u>Pharm Res. 35</u> (9): 172.			
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	This product and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.			
	DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.			
Health And Safety Information	fety Material Safety Datasheet documentation #10040 available at: 10040: <u>https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</u>			
Licensed Use	For in vitro research purposes only, unless otherwise specified in writing by Bio-Rad			
Regulatory	For research purposes only			
Technical Advice	Recommended protocols and further information about HuCAL recombinant antibody technology can be found in the <u>HuCAL Antibodies Technical Manual</u>			
North & South Tel: +1 800 265   America Fax: +1 919 878   Email: antibody				
To find a batch/lot speci	fic datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M391623:211015'			

## Printed on 06 Jan 2022

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