

Datasheet: ICT939 BATCH NUMBER 165041

Description:	MAGIC RED™ CATHEPSIN K KIT
Name:	CATHEPSIN K
Format:	MAGIC RED™ (Red Fluorescence)
Product Type:	Kits
Quantity:	25 TESTS

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		
	Immunofluorescence	-					
	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.						
Product Information	The Magic Red Cathepsin K Kit uses a quick and easy method to analyze intracellular cathepsin K protease activity in whole living cells.						
Test Principle	Cathepsin Magic Red Kits measure cathepsin K protease activity by detecting active cathepsins in whole, living cells. These kits do not work by using antibodies or as an ELISA. Instead, their methodology is based on a cell-permeable and non-cytotoxic reagent which is cleaved in the presence of cathepsins to produce a fluorescent product.						
	red (Cresyl Violet) fluorescent probe.						
	The Cathepsin Magic Red Kits are suitable for cells in suspension and adherent cells from many species including mammalian, insect and yeast. Different cell types, e.g. Jurkat, HL-60, THP-1, fibroblasts, UMUC-3, MCF-7 and U937 cells have also been successfully studied with these kits.						
	This kit can be used in fluorescence microscopy or with fluorescence plate readers using black microtitre plates.						

Reagent	s In The Kit	Magic Red Substrate (MR-LR ₂), 25 Tests - lyophilized Hoechst 33342, 1 mL Acridine Orange, 0.5 ml.							
Instructi	ons For Use	Instructions for use can be found at <u>www.bio-rad-antibodies.com/uploads/IFU/ICT939.pdf</u>							
Referenc	ces	 Azuma, K. <i>et al.</i> (2007) Two osteoclastic markers expressed in multinucleate osteoclasts of goldfish scales. <u>Biochem Biophys Res Commun. 362 (3): 594-600.</u> de Vrieze, E. <i>et al.</i> (2010) ALP, TRAcP and cathepsin K in elasmoid scales: a role in mineral metabolism? <u>Journal of Applied Ichthyology. 26 (2): 210-3.</u> 							
Storage		Store the Once rec 6 months	e unopened k constituted wi s protected fro	it and each unopened c th DMSO, use Magic Re om light and thawed no	omponent at ed reagent in more than tw	+4°C until the expiration date. nmediately, or store at -20°C for vice during that time.			
Guarante	90	Guaranteed until date of expiry. Please see product label.							
Acknowl	Acknowledgements Magic Red is a trademark of Immunochemistry Technologies, LLC.								
Health A Informat	Health And Safety Material Safety Datasheet documentation #20264 #10476 #10478 available at: Information https://www.bio-rad-antibodies.com/SDS/ICT939 Magic Red Substrate (MR-LR2) (20264) Hoechst 33342 (10476) Acridine Orange (10478) Acridine Orange (10478)								
Regulatory For research purposes only.									
North & South Tel: +1 800 265 America Fax: +1 919 878 Email: antibody_		7376 3751 sales_us@bio	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio	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 b	atch/lot specil	ic datashee	et for this produ	uct, please use our online 'M404834:220906'	search tool at	: bio-rad-antibodies.com/datasheets			
				Printed on 29 Feb 2024					

© 2024 Bio-Rad Laboratories Inc | Legal | Imprint