

Datasheet: ICT9152 BATCH NUMBER 168948

Description:	GREEN CATHEPSIN B KIT
Name:	CATHEPSIN B
Format:	Rhodamine 110-(RR)2
Product Type:	Kits
Quantity:	100 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			
	Flow Cytometry	•			Refer to Instruction for Use			
	Immunofluorescence							
	Where this product ha necessarily exclude its a guide only. It is reco system using appropri	s use in such mmended th	procedu at the use	res. Suggested workin er titrates the product f	g dilutions are given as			
Max Ex/Em	Fluorophore	Excitation M	/lax (nm)	Emission Max (nm)				
	Rhodamine110-(RR)2	525		535				
Product Information	Green Cathepsin B Kit enables the quantitation and monitoring of intracellular cathepsin activity over time in vitro. The Rhodamine 110 Cathepsin B substrate reagent is a non-cytotoxic and membrane permeant substrate that fluoresces green upon cleavage by active cathepsin enzymes.							
Test Principle	cathepsin B target per enzymatic cleavage a	amine 110 ca of the amino uence for ca otide sequen t one or both	athepsin E acid seq thepsin B ces, rhod arginine	3 substrate is comprise juence, arginine-argini 6. When bi-substituted amine110 is nonfluore (R) amide linkage site	ed of rhodamine 110 ne (RR), which is the via amide linkage to two scent. Following			
	To use the Green Catl	noncin R Acc	av cimpl	v add the Phedamine	110 Cathonsin B			

To use the Green Cathepsin B Assay, simply add the Rhodamine 110 Cathepsin B

	at a la /l at a maaif	ic datashaat	for this produ	ict, please use our online	search tool at:	bio-rad-antibodies.com/datasheet	
rth & South nerica	Tel: +1 800 265 7 Fax: +1 919 878 Email: antibody_	3751 sales_us@bio-r		Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bic		Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com	
Regulato	ory	For resea	rch purposes	sonly			
Rhodamine 110-(RR)2 Substrate (20428) 10X Cellular Assay Buffer (20429) Hoechst Stain (10476)							
Health A Informati	nd Safety ion		-	neet documentation #20 tibodies.com/SDS/ICT9		#10476 available at:	
Guarante	9e	Guarante	ed until date	of expiry. Please see p	oduct label.		
Storage		each unoj label. Stor use the R	pened compo re the Rhoda hodamine11	onent) according to the imine110-(RR) ₂ substra	storage instru te at -20ºC. (diately or alio	Store the unopened kit (and uctions on each component Once reconstituted in DMSO, quot and store at -20 ^o C for 6 thawing	
Instructio	tions For Use Instructions for use can be found at <u>https://www.bio-rad-antibodies.com/static/up</u> / <u>ifu/ict9151-2.pdf</u>						
Reagent	s In The Kit	10X Cellu	Rhodamine11 Iar Assay Bu Stain, 1 ml	0-(RR) ₂ substrate - lyo _f iffer, 60 ml	bhilized		
		permeabil state. If ca cathepsin fluorescer R110-(RR intracellul while neg no interfer experimen	lization steps athepsin enz B targeting nt upon excit 2)2 substrate ar location of ative cells wi rence from p ntal conditior	ymes are active, they w sequences and allow th ation. By varying the du , a picture can be obtain f cathepsin enzymatic a II exhibit very low levels ro-cathepsins forms of a stimulates cathepsin a	R)2 will enter ill cleave off t e rhodamine ration and co ned of the rela ctivity. Positiv of backgrout the enzymes. ctivity, cells c	the cell in a non-fluorescent the two arginine-arginine 110 fluorophore to become oncentration of exposure to the ative abundance and ve cells will fluoresce green, nd green fluorescence. There i	

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