Datasheet: ICT9152 BATCH NUMBER 168947

Description:	GREEN CATHEPSIN B KIT
Name:	CATHEPSIN B
Format:	Rhodamine 110-(RR)2
Product Type:	Kits
Quantity:	100 TESTS

Product Details

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>							
Flow Cytometry	-			Refer to Instruction for Use			
Immunofluorescence							
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.							
Fluorophore	Excitation M	ax (nm)	Emission Max (nm)				
Rhodamine110-(RR)2	525		535				
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.							
rhodamine 110. Rhoda coupled to two copies preferential target seq cathepsin B target per enzymatic cleavage a	amine 110 car of the amino uence for cat otide sequence t one or both	thepsin B acid seq hepsin B æs, rhoda arginine (substrate is comprise uence, arginine-argini . When bi-substituted amine110 is nonfluore (R) amide linkage site	ed of rhodamine 110 ine (RR), which is the via amide linkage to two scent. Following s, the mono and			
	derived from testing w communications from information. For gener rad-antibodies.com/pr Flow Cytometry Immunofluorescence Where this product has necessarily exclude its a guide only. It is reco system using appropria Fluorophore Rhodamine110-(RR)2 Green Cathepsin B H activity over time in vit non-cytotoxic and men active cathepsin enzym Rhodamine 110 Cather rhodamine 110. Rhoda coupled to two copies preferential target seq cathepsin B target per enzymatic cleavage a non-substituted rhoda	derived from testing within our labor communications from the originator information. For general protocols.rad-antibodies.com/protocols.YesFlow Cytometry•Immunofluorescence•Where this product has not been te necessarily exclude its use in such a guide only. It is recommended that system using appropriate negative/FluorophoreExcitation M Stem using appropriate negative/Rhodamine110-(RR)2525Green Cathepsin B Kit enables the active cathepsin enzymes.Rhodamine 110 Cathepsin B substrRhodamine 110 Cathepsin B substrrhodamine 110 Rhodamine 110 cat cathepsin B target peptide sequence enzymatic cleavage at one or both non-substituted rhodamine 110 fluor	derived from testing within our laboratories, from the originators. Please information. For general protocol recomment rad-antibodies.com/protocols.YesNoFlow Cytometry•Immunofluorescence•Where this product has not been tested for unecessarily exclude its use in such procedur a guide only. It is recommended that the use system using appropriate negative/positive of the fluorophoreFluorophoreExcitation Max (nm)Rhodamine110-(RR)2525Green Cathepsin B Kit enables the quantita activity over time in vitro. The Rhodamine 110 non-cytotoxic and membrane permeant substactive cathepsin enzymes.Rhodamine 110 Cathepsin B substrate utilizer rhodamine 110. Rhodamine 110 cathepsin B cathepsin B target peptide sequences, rhoda enzymatic cleavage at one or both arginine in on-substituted rhodamine 110 fluorophores	derived from testing within our laboratories, peer-reviewed publicat communications from the originators. Please refer to references in information. For general protocol recommendations, please visit w rad-antibodies.com/protocols.YesNoNot DeterminedFlow Cytometry•Immunofluorescence•Where this product has not been tested for use in a particular tech necessarily exclude its use in such procedures. Suggested workin a guide only. It is recommended that the user titrates the product system using appropriate negative/positive controls.FluorophoreExcitation Max (nm)Emission Max (nm)Rhodamine110-(RR)2525535Green Cathepsin B Kit enables the quantitation and monitoring of activity over time in vitro. The Rhodamine 110 Cathepsin B substr active cathepsin enzymes.Rhodamine 110 Cathepsin B substrate utilizes the photostable gre rhodamine 110. Rhodamine 110 cathepsin B substrate is comprise coupled to two copies of the amino acid sequence, arginine-argini preferential target sequence for cathepsin B. When bi-substituted cathepsin B target peptide sequences, rhodamine110 is nonfluore enzymatic cleavage at one or both arginine (R) amide linkage site non-substituted rhodamine 110 fluorophores generate green fluore			

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	tructions For Use Instructions for use can be found at <u>https://www.bio-rad-antibodies.com/sta</u> /ifu/ict9151-2.pdf					
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 backgroun 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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