

Datasheet: ICT9151 BATCH NUMBER 156825

Description:	GREEN CATHEPSIN B KIT
Name:	CATHEPSIN B
Format:	Rhodamine 110-(RR)2
Product Type:	Kits
Quantity:	25 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-rad-antibodies.com/protocols</u> .						
· · · · ·	Yes	No	Not Determined	Suggested Dilution		
Flow Cytometry	•			Refer to Instructions for Use		
Immunofluorescence	-					
necessarily exclude its a guide only. It is reco	s use in such mmended tha	procedu at the use	res. Suggested workir er titrates the product	ng dilutions are given as		
Fluorophore	Excitation N	lax (nm)	Emission Max (nm)			
Rhodamine110-(RR)2	525		535			
activity over time in vit non-cytotoxic and mer	ro. The Rhoo nbrane perm	damine 1	10 Cathepsin B substr	rate reagent is a		
Rhodamine 110 Cathepsin B substrate utilizes the photostable green fluorophore, rhodamine 110. Rhodamine 110 cathepsin B substrate is comprised of rhodamine 110 coupled to two copies of the amino acid sequence, arginine-arginine (RR), which is the preferential target sequence for cathepsin B. When bi-substituted via amide linkage to two cathepsin B target peptide sequences, rhodamine110 is nonfluorescent. Following enzymatic cleavage at one or both arginine (R) amide linkage sites, the mono and non-substituted rhodamine 110 fluorophores generate green fluorescence when excited a 500 nm.						
	derived from testing w communications from information. For gener rad-antibodies.com/pre Flow Cytometry Immunofluorescence Where this product has necessarily exclude its a guide only. It is reco system using appropri Fluorophore Rhodamine110-(RR)2 Green Cathepsin B k activity over time in vit non-cytotoxic and mer active cathepsin enzym Rhodamine 110 Cather rhodamine 110. Rhoda coupled to two copies preferential target seq cathepsin B target per enzymatic cleavage at	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 NRhodamine 110-(RR)2525Green Cathepsin B Kit enables the activity over time in vitro. The Rhod non-cytotoxic and membrane permite active cathepsin enzymes.Rhodamine 110 Cathepsin B substi rhodamine 110. Rhodamine 110 cation coupled to two copies of the amino preferential target sequence for cation cathepsin B target peptide sequence enzymatic cleavage at one or both	derived from testing within our laboratories, communications from the originators. Please information. For general protocol recomment rad-antibodies.com/protocols.rad-antibodies.com/protocols.YesNoFlow Cytometry•Immunofluorescence•Where this product has not been tested for necessarily exclude its use in such procedure a guide only. It is recommended that the use system using appropriate negative/positive of FluorophoreFluorophoreExcitation Max (nm) Rhodamine110-(RR)2525Green Cathepsin B Kit enables the quantite activity over time in vitro. The Rhodamine 11 non-cytotoxic and membrane permeant sub active cathepsin enzymes.Rhodamine 110 Cathepsin B substrate utilize rhodamine 110. Rhodamine 110 cathepsin B cathepsin B target peptide sequences, rhod enzymatic cleavage at one or both arginine	derived from testing within our laboratories, peer-reviewed publica communications from the originators. Please refer to references in information. For general protocol recommendations, please visit y rad-antibodies.com/protocols. Yes No Not Determined Flow Cytometry • Immunofluorescence • Where this product has not been tested for use in a particular tec 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. Fluorophore Excitation Max (nm) Rhodamine110-(RR)2 525 535 Green Cathepsin B Kit enables the quantitation and monitoring a activity over time in vitro. The Rhodamine 110 Cathepsin B substrate that fluoresces active cathepsin enzymes. Rhodamine 110 Cathepsin B substrate utilizes the photostable graphodamine 110. Rhodamine 110 cathepsin B substrate is compristion coupled to two copies of the amino acid sequence, arginine-argin 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		

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

Guaranto Health A Informat Regulato	and Safety tion	Rhodamine 110-(RR)2 10X Cellular Assay Bu	2 Substrate (20428) uffer (20429))	<u>151</u>				
Health A	and Safety	https://www.bio-rad-ar Rhodamine 110-(RR)2 10X Cellular Assay Bu	2 Substrate (20428) uffer (20429)	<u>151</u>				
		Material Safety Datas	https://www.bio-rad-antibodies.com/SDS/ICT9151 Rhodamine 110-(RR)2 Substrate (20428) 10X Cellular Assay Buffer (20429) Hoechst Stain (10476)					
	ee		of expiry. Please see pr		#10476 available at:			
Storage		each unopened comp label. Store the Rhoda use the Rhodamine11	onent) according to the s amine110-(RR) ₂ substrat	storage instru te at -20ºC. (diately or alio	Store the unopened kit (and uctions on each component Dnce reconstituted in DMSO, quot and store at -20 ^o C for 6 thawing			
Instructi	ions For Use	Instructions for use can be found at <u>https://www.bio-rad-antibodies.com/static/uploads</u> /ifu/ict9151-2.pdf						
Reagent	s In The Kit	1 vial of Rhodamine11 10X Cellular Assay Bເ Hoechst Stain, 1 ml	I0-(RR) ₂ substrate - Iyop uffer, 15 ml	bhilized				
		state. If cathepsin enz cathepsin B targeting fluorescent upon excit R110-(RR)2 substrate intracellular location o while negative cells w no interference from p experimental condition	sequences and allow the ation. By varying the du , a picture can be obtain f cathepsin enzymatic ad ill exhibit very low levels pro-cathepsins forms of t n stimulates cathepsin ad	ill cleave off the rhodamine ration and contend of the relation of the relativity. Positive of backgrouthe enzymes. ctivity, cells c	ve cells will fluoresce green, nd green fluorescence. There i			

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