Datasheet: ICT937

Description:	MAGIC RED™ CATHEPSIN B KIT
Name:	CATHEPSIN B
Format:	Kit
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 www.abdserotec.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 B kit uses a quick and easy method to analyze intracellular Cathepsin B protease activity in whole living cells.

Test Principle

Cathepsin Magic Red™ kits measure cathepsin B 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.

The Magic Red™ reagent contains a cathepsin B target sequence peptide $(RR)_2$ linked to a red (Cresyl Violet) fluorescent probe.

The Cathepsin Magic Red™ kits are suitable for cells in suspension, adherent cells, thin frozen tissue sections (but not fixed or paraffin-embedded 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.

Reagents In The Kit

Magic Red™ MR-$(RR)_2$ Reagent - lyophilized
Hoechst 33342 Stain, 1 mL
Acridine orange (AO), 0.5 mL

Instructions For Use

Instructions for use can be found at www.abdserotec.com/uploads/IFU/ICT937.pdf

Storage

Store the unopened kit (and each unopened component) at +4°C until the expiration date.
Protect the MR-$(RR)_2$ reagent from light at all times.

Once reconstituted, the 260X MR-$(RR)_2$ stock should be stored at -20°C protected from light.

Shelf Life

The 260X MR-$(RR)_2$ reconstituted stock is stable for up to 6 months and may be thawed twice during that time.

Acknowledgements

Magic Red™ is a trademark of Immunochemistry Technologies, LLC.

Health And Safety Information

Material Safety Datasheet documentation #20263; #10476; #10478 available at http://www.abdserotec.com/uploads/MSDS/20263.pdf

http://www.abdserotec.com/uploads/MSDS/10476.pdf
http://www.abdserotec.com/uploads/MSDS/10478.pdf

Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

MAGIC RED™ CATHEPSIN B KIT (ICT938)

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'M230103:130108'

Printed on 24 May 2013

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