Datasheet: ICT910

Description:	FAM FLICA™ CASPASE-8 KIT
Name:	CASPASE-8
Format:	Kit
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 www.abdserotec.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			
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 FAM FLICA™ Caspase 8 kit uses a quick and easy method to analyze active caspases in apoptotic cells.

Test Principle

Caspase FLICA™ kits measure apoptosis by detecting active caspases in whole, living cells. These kits do not work by using antibodies or as an ELISA. Instead, their methodology is based on a unique cell-permeable and non-cytotoxic reagent called the Fluorochrome Inhibitor of Caspases (FLICA). The FLICA™ reagent contains a caspase inhibitor sequence linked to a green (Carboxyfluorescein, FAM) fluorescent probe.

The Caspase FLICA™ Kits are suitable for cells in suspension, adherent cells, thin tissue sections (but not fixed or paraffin-embedded cells) from many species including mammalian, insect and yeast. Different cell types, e.g. HeLa, primary neurons, macrophages and lymphocytes have also been successfully studied with these kits.

This kit can be used with a flow cytometer, fluorescence microscope or a fluorescence plate reader using black microtitre plates.

Reagents In The Kit

4 vials of FAM-LETD-FMK FLICA™ Reagent - lyophilized
10X Wash Buffer, 60 mL
Fixative, 6 mL
Propidium Iodide, 1 mL
Hoechst Stain, 1 mL

Instructions For Use

Instructions for use can be found at www.abdserotec.com/uploads/IFU/ICT910.pdf

References

1. Brugnon, F. *et al.* (2010) Apoptosis and meiotic segregation in ejaculated sperm from Robertsonian translocation carrier patients. Hum Reprod. May 15. [Epub ahead of print].
2. Rebe, C. *et al.* (2007) Caspase-8 prevents sustained activation of NF-kappaB in monocytes undergoing macrophagic differentiation. Blood 109:1442-1450.
3. Peppa, D. *et al.* (2012) Up-regulation of a death receptor renders antiviral T cells susceptible to NK cell-mediated deletion. J Exp Med. Dec 17. [Epub ahead of print]

Storage

Store the unopened kit (and each unopened component) at +4°C until the expiration date.
Protect the FLICA™ reagent from light at all times.

Once reconstituted, the 150X FLICA™ stock should be stored at -20°C protected from light.

Shelf Life	The 150X FLICA™ reconstituted stock is stable for up to 6 months and may be thawed twice during that time.
Acknowledgements	FLICA™ is a trademark of Immunochemistry Technologies, LLC.
Health And Safety Information	Material Safety Datasheet documentation #20284; #10471; #10498; #10476; #10477 available at http://www.abdserotec.com/uploads/MSDS/20284.pdf http://www.abdserotec.com/uploads/MSDS/10471.pdf http://www.abdserotec.com/uploads/MSDS/10498.pdf http://www.abdserotec.com/uploads/MSDS/10476.pdf http://www.abdserotec.com/uploads/MSDS/10477.pdf
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