

CASPASE-10 Assay Kit | CASP10 assay kit

FAM FLICA CASPASE-10 KIT

CATALOG #
AAA50645

APPLICATIONS
Immunofluorescence, Flow Cytometry, Functional Assay

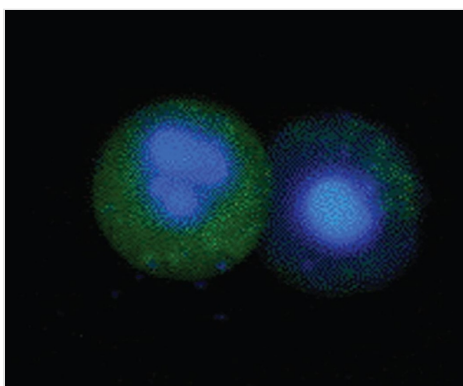
PRODUCT SYNONYMS

CASPASE-10; FAM FLICA CASPASE-10 KIT; CASP10 assay kit

PRODUCT SPECIFICATIONS

Form/Format	Kit
Sequence Length	521
Reagents In The Kits	4 vials of FAM-AEVD-FMK FLICA Reagent - lyophilized 10X Wash Buffer, 60 mL Fixative, 6 mL Propidium Iodide, 1 mL Hoechst Stain, 1 mL
Applicable Applications for CASP10 assay kit	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Preparation and Storage	Store the unopened kit (and each unopened component) at 4 degree 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 degree 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.

IMAGES



Application Data

Both cells are apoptotic (green) and dying (blue nuclei). As the left cell is much brighter green than the right cell, the left cell had more active caspases

ADDITIONAL INFORMATION

Related Product Information for CASP10 assay kit	Description: The FAM FLICA Caspase 10 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47078269
NCBI GeneID	843
NCBI Accession #	NP_116756.2
NCBI GenBank Nucleotide #	NM_032974.4
Molecular Weight	28,364 Da
NCBI Official Full Name	caspase-10 isoform 2 preproprotein
NCBI Official Synonym Full Names	caspase 10, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP10
NCBI Official Synonym Symbols	MCH4; ALPS2; FLICE2
NCBI Protein Information	caspase-10; CASP-10; FADD-like ICE2; FAS-associated death domain protein interleukin-1B-converting enzyme 2; ICE-like apoptotic protease 4; apoptotic protease MCH-4; caspase 10, apoptosis-related cysteine protease
UniProt Protein Name	Caspase-10
UniProt Gene Name	CASP10
UniProt Synonym Gene Names	MCH4; CASP-10; FLICE2
UniProt Entry Name	CASPA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.