

CASPASE-1 Assay Kit | Casp1 assay kit

FAM FLICA CASPASE-1 KIT

CATALOG #
AAA50641

APPLICATIONS
Immunofluorescence, Flow Cytometry, Functional Assay

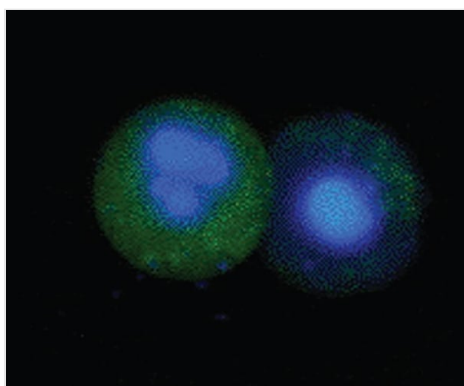
PRODUCT SYNONYMS

CASPASE-1; FAM FLICA CASPASE-1 KIT; Casp1 assay kit

PRODUCT SPECIFICATIONS

Form/Format	Kit
Sequence Length	402
Reagents In The Kits	4 vials of FAM-YVAD-FMK FLICA Reagent - lyophilized 10X Wash Buffer, 60 mL Fixative, 6 mL Propidium Iodide, 1 mL Hoechst Stain, 1 mL
Applicable Applications for Casp1 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 Casp1 assay kit	Principle of the Assay: 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 and adherent 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 #	31542341
NCBI GeneID	25166
NCBI Accession #	NP_036894.2
NCBI GenBank Nucleotide #	NM_012762.2
Molecular Weight	45,576 Da
NCBI Official Full Name	caspase-1
NCBI Official Synonym Full Names	caspase 1
NCBI Official Symbol	Casp1
NCBI Official Synonym Symbols	Ice; Il1bc
NCBI Protein Information	caspase-1; CASP-1; IL-1 beta-converting enzyme; IL-1BC; Interleukin 1beta converting enzyme; interleukin 1, beta, convertase; interleukin-1 beta convertase; interleukin-1 beta-converting enzyme; p45
UniProt Protein Name	Caspase-1
UniProt Gene Name	Casp1
UniProt Synonym Gene Names	Il1bc; Il1bce; CASP-1; IL-1BC; ICE; IL-1 beta-converting enzyme
UniProt Entry Name	CASP1_RAT

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.