

CATHEPSIN L Assay Kit | CatL assay kit

MAGIC RED CATHEPSIN L KIT

CATALOG #
AAA50638

APPLICATIONS
Immunofluorescence

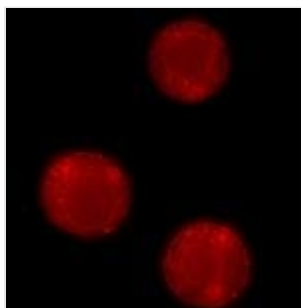
PRODUCT SYNONYMS

CATHEPSIN L; MAGIC RED CATHEPSIN L KIT; CatL assay kit

PRODUCT SPECIFICATIONS

Form/Format	Kit
Sequence Length	306
Reagents In The Kits	Magic Red MR-(FR)2 Reagent - lyophilized Hoechst 33342 Stain, 1 mL Acridine orange (AO), 0.5 mL
Applicable Applications for CatL assay kit	IF (Immunofluorescence)
Preparation and Storage	Store the unopened kit (and each unopened component) at 4 degree C until the expiration date. Protect the MR-(FR)2 reagent from light at all times. Once reconstituted, the 260X MR-(FR)2 stock should be stored at -20 degree C protected from light. Shelf Life: The 260X MR-(FR)2 reconstituted stock is stable for up to 6 months and may be thawed twice during that time.

IMAGES



Application Data

Staining of staurosporine-induced THP-1 cells using the Magic Red™ Cathepsin L kit

ADDITIONAL INFORMATION

Related Product Information for CatL assay kit	Description: The Magic Red Cathepsin L kit uses a quick and easy method to analyze intracellular Cathepsin L protease activity in whole living cells. Test Principle: Cathepsin Magic Red kits measure Cathepsin L 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 L target sequence peptide (FR)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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32394730
Molecular Weight	34,176 Da
NCBI Official Full Name	cathepsin L, partial
UniProt Protein Name	Cathepsin L
UniProt Gene Name	CatL
UniProt Entry Name	Q7Z0G8_METEN

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.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/cathepsin-l/50638>