

CATHEPSIN B Assay Kit | CTSB assay kit

MAGIC RED CATHEPSIN B KIT

CATALOG #
AAA50649

APPLICATIONS
Immunofluorescence

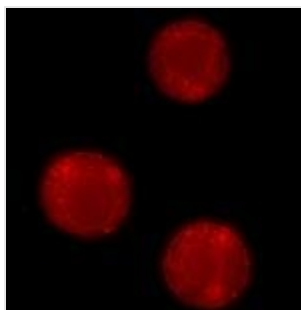
PRODUCT SYNONYMS

CATHEPSIN B; MAGIC RED CATHEPSIN B KIT; CTSB assay kit

PRODUCT SPECIFICATIONS

Form/Format	Kit
Sequence Length	335
Applicable Applications for CTSB 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-(RR)2 reagent from light at all times. Once reconstituted, the 260X MR-(RR)2 stock should be stored at -20 degree 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.

IMAGES



Application Data

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

ADDITIONAL INFORMATION

Related Product Information for CTSB assay kit

Description: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806671
NCBI GeneID	281105
NCBI Accession #	NP_776456.1
NCBI GenBank Nucleotide #	NM_174031.2
Molecular Weight	36,661 Da
NCBI Official Full Name	cathepsin B
NCBI Official Synonym Full Names	cathepsin B<
NCBI Official Symbol	CTSB
NCBI Protein Information	cathepsin B; BCSB
UniProt Protein Name	Cathepsin B
UniProt Gene Name	CTSB
UniProt Entry Name	CATB_BOVIN

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-b/50649>