

CATHEPSIN B Assay Kit | CTSB assay kit

MAGIC RED CATHEPSIN B KIT

CATALOG #
AAA50644

APPLICATIONS
Immunofluorescence

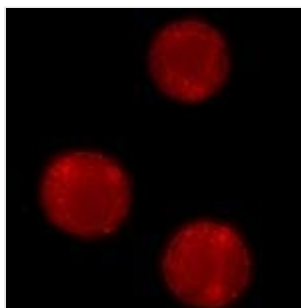
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Form/Format	Kit
Sequence Length	335
Reagents In The Kits	Magic Red MR-(RR)2 Reagent - lyophilized Hoechst 33342 Stain, 1 mL Acridine orange (AO), 0.5 mL
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.
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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/50644>