

General Cellulase Assay Kit | celMytA assay kit

Cellulase Microplate Assay Kit

CATALOG # AAA27825	REACTIVITY General	APPLICATIONS Functional Assay
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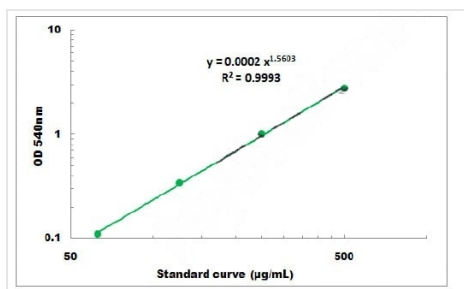
PRODUCT SYNONYMS

Cellulase; Cellulase Microplate Assay Kit; EC 3.2.1.4; Avicelase; Beta-1; 4-endoglucan hydrolase; 4-glucanase; Carboxymethyl cellulase; Celludextrinase; Endo-1; 4-beta-D-glucanase; 4-beta-D-glucanohydrolase; 4-beta-glucanase; Endoglucanase; celMytA assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	1171
Samples	Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Applicable Applications for celMytA assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for celMytA assay kit

Background: Cellulases are a family of enzymes that include beta-Glucosidases, endoglucanases, and exoglucanases. These enzymes cleave the beta-1,4-D-glycosidic bonds that link the glucose units comprising cellulose. In addition to being produced by plants, cellulase activity is found in many fungi and bacteria, including some plant pathogens. Most animal cells are not known to produce cellulase; cellulolytic activity is often carried out in animals by symbionts. However, recent evidence does suggest cellulase production in some animals, such as insects and arthropods. The study of cellulase activity has many applications in plant molecular biology, agriculture, and manufacturing. Cellulase is also becoming important in the development of alternative fuel sources, as glucose obtained from cellulose hydrolysis is easily fermented into ethanol. The enzyme catalysed reaction products can be measured at a colorimetric readout at 540 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	365189288
Molecular Weight	127,562 Da
NCBI Official Full Name	cellulase

UniProt Protein Name	Cellulase
UniProt Gene Name	celMytA
UniProt Entry Name	G9MD89_9GAMM

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/general-assay-kits/cellulase/27825>