

General beta-N-Acetylglucosaminidase Assay Kit | SCO2758 assay kit

beta-N-Acetylglucosaminidase Microplate Assay Kit

CATALOG # AAA263958	REACTIVITY General	APPLICATIONS Functional Assay
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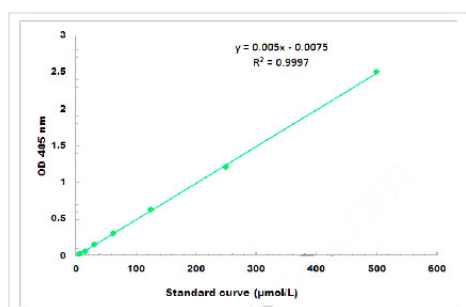
PRODUCT SYNONYMS

beta-N-Acetylglucosaminidase; beta-N-Acetylglucosaminidase Microplate Assay Kit; SCO2758 assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	615
Applicable Applications for SCO2758 assay kit	FA (Functional Assay)
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCO2758 assay kit

Background/Introduction: Beta-Lactamases (betaLs), are a large family of hydrolases comprising more than 850 identified members expressed in Gram-positive and Gram-negative bacteria. betaLs can be classified according to their substrate or inhibitor specificity. These enzymes are capable of hydrolyzing four atom rings known as beta-lactams. Antibiotics containing beta-lactam rings (i.e. penicillin, cephalosporin, monobactam, carbapenem) are highly susceptible to be hydrolyzed via enzymatic activity, which deactivates their antibiotic potency. betaLs have become a significant clinical threat due to the alarming number of cases of bacterial strains showing beta-lactam antibiotic resistance. Approaches for combatting this type of resistance have opened up the possibility of developing a new form of beta lactam antibiotics that are more resistant to beta-Lactamase enzymatic activity. Therefore, experimental research has been arising in wide extent for developing new drugs or inhibitors effective against the beta-lactam antibiotic resistance bacteria. EZScreen™ Beta-Lactamase Activity Assay Kit offers a simple and sensitive assay that can detect and quantify the enzymatic activity of these hydrolases. The assay is based on the hydrolysis of Nitrocefin, a chromogenic cephalosporin, that results in the generation of a colored product (OD: 490 nm), which is directly proportional to the amount of betaL activity. The assay can detect enzymatic activity as low as 15 mU in a variety of biological samples.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21221210
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NCBI GeneID	1098192
NCBI GenBank Nucleotide #	NP_626989.1
NCBI Official Full Name	beta-N-acetylglucosaminidase
NCBI Official Symbol	SCO2758
NCBI Official Synonym Symbols	nagA
NCBI Protein Information	beta-N-acetylglucosaminidase

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/beta-n-acetylglucosaminidase/263958>