

beta-Galactosidase Staining Kit

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CATALOG #
AAA44509

PRODUCT SYNONYMS

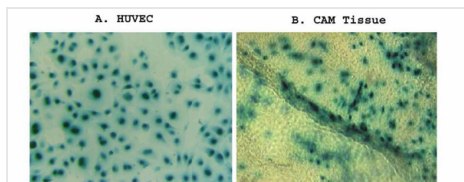
beta-Galactosidase; beta-Galactosidase Staining Kit; b-Galactosidase Staining Kit; beta-Galactosidase staining kit

PRODUCT SPECIFICATIONS

Preparation and Storage

Store X-gal solution protected from light at -20 degree C, and other kit components at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-Galactosidase staining kit

Background: The delivery of reporter genes into cells has become the primary means by which researchers study gene function and gene expression regulation. LacZ is a commonly used reporter gene in transfection experiments because the gene product, beta-galactosidase, is very stable and resistant to proteolytic degradation and easily assayed. The beta-galactosidase Staining Kit provides an easy-to-use and efficient method to determine the transfection efficiency and expression of LacZ gene. beta-galactosidase catalyzes the hydrolysis of X-gal, which produces a blue color in cells expressing the transfected gene. Each kit provides sufficient quantities to perform up to 75 assays in 35 mm dishes.

Product Categories/Family for beta-Galactosidase staining kit

[Cell Signaling and Protein Biology](#); [Reporter Assays](#); [Cells and Reagents](#); [Reporter Assays](#); [Beta-Galactosidase Assay](#)

References

1. Current Protocols in Molecular Biology, John Wiley & Sons Press
Black, S.A. et al. (2008). TGFbeta1 stimulates connective tissue growth factor (CCN2/CTGF) expression in human gingival fibroblasts through a RhoA-independent, Rac1/Cdc42-dependent mechanism: statins with forskolin block TGFbeta1-induced CCN2/CTGF expression. J. Biol. Chem. 283:10835-10847.

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/staining-kits/beta-galactosidase/44509>