

NF- κ B LEEPORTER Luciferase Reporter Cell Line

NF- κ B LEEPORTER Luciferase Reporter-Jurkat Cell Line

CATALOG #
AAA78446

APPLICATIONS
Functional Assay

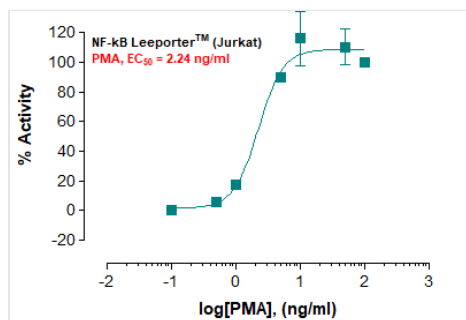
PRODUCT SYNONYMS

NF- κ B LEEPORTER Luciferase Reporter; NF- κ B LEEPORTER Luciferase Reporter-Jurkat Cell Line; NF- κ B LEEPORTER Luciferase Reporter cell line

PRODUCT SPECIFICATIONS

Form/Format	Each vial contains 2 ~ 3 x 10 ⁶ cells in 1 ml of 90% FBS + 10% DMSO.
Applicable Applications for NF- κ B LEEPORTER Luciferase Reporter cell line	FA (Functional Assay)
Culture conditions	Cells should be grown at 37°C with 5% CO₂ using RPMI medium supplemented with 10% heat-inactivated FBS, 1 mM sodium pyruvate, 10 mM HEPES and 1% Pen/Strep plus 3 μg/ml of Puromycin (Note: Puromycin can be omitted during the reporter cell assays). It is recommended to quickly thaw the frozen cells upon receipt or from liquid nitrogen in a 37°C water-bath, transfer to a tube containing 10 ml of growth medium without Puromycin, spin down cells, resuspend cells in pre-warmed growth medium without Puromycin, transfer resuspended cells to T25 flask and culture in 37°C-CO₂ incubator. Monitor the cell viability by counting cells daily for 1~3 days until cells completely recover viability as cells are doubling daily. Once cells are over 90% confluent, harvest cells by centrifugation and passage cells. At first passage, switch to growth medium containing Puromycin. Cells should be split before they reach complete confluence. To passage the cells, transfer cells to a tube, spin down cells, resuspend cells and seed appropriate aliquots of cell suspension into new culture vessels. Subcultivation ratio = 1:10 to 1:20 weekly. To achieve satisfactory results, cells should not be passaged over 16 times.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Immediately upon receipt, store in liquid nitrogen. Dry Ice Shipment: Extra charge fee may add to your shipping cost as dry ice is required to ship this product. Shipping Note: Product is available for shipment in the United States, Canada and European countries. Please inquire for shipment to other countries.

IMAGES



Application Data

Fig-1: Induction of NF- κ B activity by PMA in NF- κ B LEEPORTER Jurkat T cells.

ADDITIONAL INFORMATION

Related Product Information for NF-κB Leeporter Luciferase Reporter cell line	The NF-κB Leeporter™ Luciferase Reporter cell line is a stably transfected Jurkat T cell line which expresses Renilla luciferasereporter gene under the transcriptional control of the NF-κB response element. NF-κB is a key transcription factor that isinvolved in immune and inflammatory responses, developmental processes, cellular growth and apoptosis. The NF-κB inductionby phorbol 12-myristate 13-acetate (PMA) is shown in Figure 1.
Product Categories/Family for NF-κB Leeporter Luciferase Reporter cell line	Cell Lines

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cell-line/nf-kb-leeporter-luciferase-reporter/78446>