

GFP/Jurkat Stable Cell Line | GFP cell line

GFP/Jurkat Stable Cell Line

CATALOG # AAA78591	APPLICATIONS Flow Cytometry, Functional Assay, Functional Assay
------------------------------	---

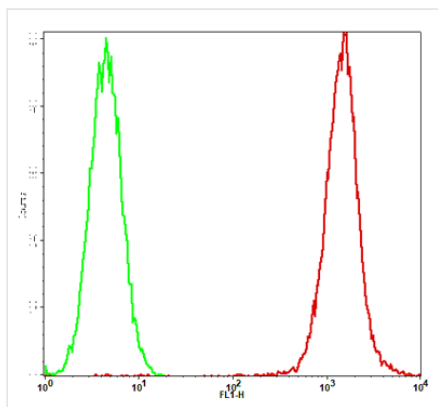
PRODUCT SYNONYMS

GFP/Jurkat Stable; GFP/Jurkat Stable Cell Line; GFP cell line

PRODUCT SPECIFICATIONS

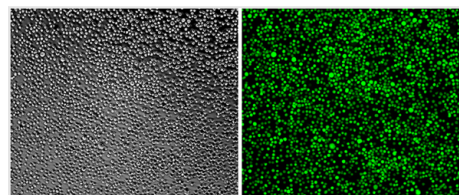
Form/Format	Each vial contains 2 ~ 3 x 10 ⁶ cells in 1 ml of 90% FBS + 10% DMSO
Sequence	Aminoacids equenceofe GFP:MVSKGE ELFTGVVPIL VELDGDVNGH KFSVSGEGEG DATYGKLTLLK FICTTGKLPV PWPTLVTTLT YGVQCFSRYP DHMKQHDFFK SAMPEGYVQE RTIFFKDDGN YKTRAEVKFE GDTLVNRIEL KGIDFKEDGN ILGHKLEYNY NSHNVYIMAD KQKNGIKVNF KIRHNIEDGS VQLADHYQQN TPIGDGPVLL PDNHYLSTQS ALSKDPNEKR DHMVLEFVT AAGITLGMDE LYK
Applicable Applications for GFP cell line	FCM/FACS (Flow Cytometry), FA (Functional Assay)
Culture conditions	Cells should be grown at 37 degree C with 5% CO ₂ using RPMI medium supplemented with 10% heat-inactivated FBS, 1 mM sodium pyruvate, 10 mM HEPES and 1% Pen/Strep, plus 3 ug/ml of Puromycin. It is recommended to quickly thaw the frozen cells upon receipt or from liquid nitrogen in a 37 degree 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 degree C-CO ₂ 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, 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 cells suspension into new culture vessels. Subcultivation ration = 1:10 to 1:20 weekly. To achieve satisfactory results, cells should not be passaged over 16 times.
Preparation and Storage	Upon receipt, store at -20 degree C (Stable for at least 6 months). Avoid frequent freeze/thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Fig-2: Detection of GFP in the GFP/Jurkat stable cell line through flow cytometry. Parental Jurkat cells (Green); GFP/Jurkat cells (Red).



Application Data

Fig-1: Analysis of the GFP/Jurkat stable cell line through fluorescence microscopy. Bright-field image (Left); Fluorescence image (Right).

ADDITIONAL INFORMATION

Related Product Information for GFP cell line	GFP/Jurkat Stable Cell Line is a stably transfected Jurkat cell line which expresses enhanced green fluorescent protein (eGFP).
Product Categories/Family for GFP cell line	Cell Lines; Stable 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/gfp-jurkat-stable/78591>