

CytoSelect 24-well Cell Invasion, Fluorometric Assay Kit

CytoSelect 24-well Cell Invasion, Fluorometric

CATALOG #
AAA44574

PRODUCT SYNONYMS

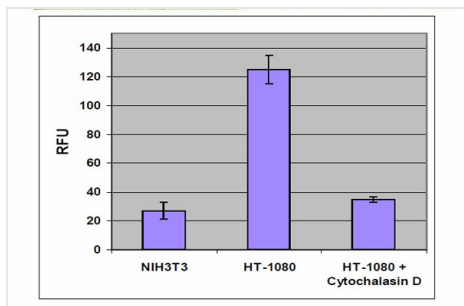
CytoSelect 24-well Cell Invasion; Fluorometric; Fluorometric assay kit

PRODUCT SPECIFICATIONS

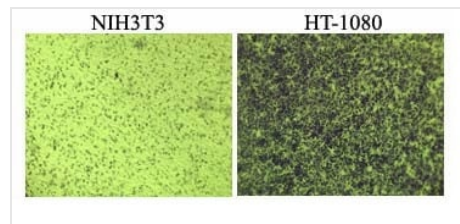
Preparation and Storage

Store all components at 4 degree C until their expiration dates.

IMAGES



Application Data



Application Data

Application Data

ADDITIONAL INFORMATION

Related Product Information for CytoSelect 24-well Cell Invasion, Fluorometric assay kit

- Fully quantify cell invasion with no manual cell counting
- Plate inserts are precoated with ECM basement membrane

The ability of malignant tumor cells to invade normal surrounding tissue contributes in large part to the morbidity and mortality of cancers. Cell invasion requires several distinct cellular functions including adhesion, motility, detachment, and extracellular matrix proteolysis. Our CytoSelect Cell Invasion Assays utilize precoated inserts to assay the invasive properties of tumor cells. Invasive cells can be quantified in 24-well plates on either a standard microplate reader or a fluorescence plate reader. Inserts are precoated on the top of the membrane with ECM matrix gel (basement membrane), a protein mix isolated from EHS tumor cells.

Introduction: The ability of malignant tumor cells to invade normal surrounding tissue contributes in large part to the significant morbidity and mortality of cancers. Invasiveness requires several distinct cellular functions including adhesion, motility, detachment, and extracellular matrix proteolysis. Metastatic cells produce many proteolytic enzymes (e.g. lysosomal hydrolases, collagenases, plasminogen activators) while the expression of certain cell surface protease receptors is also increased.

AAA Biotech's CytoSelect Cell Invasion Assay Kit utilizes basement membrane-coated inserts to assay the invasive properties of tumor cells. It contains sufficient reagents for the evaluation of 12 samples.

Product Categories/Family for CytoSelect 24-well Cell Invasion, Fluorometric assay kit

Cell Based Assays; Cell Migration; Invasion and Wound Healing; Boyden Chamber Assays-Cell Invasion Assays

References

1. Erkell, L. J., Schirmacher, V. (1988) Cancer Res 48, 6933-6937.
2. Montgomery, A. M. P., De Clerck, Y. A., Langley, K. E., Reisfeld, R. A., Mueller, B. M. (1993) Cancer Res 53,693-700.
3. Monsky, W. L., Lin, C. Y., Aoyama, A., Kelly, T., Akiyama, S. K., Mueller, S. C., Chen, W. T. (1994) Cancer Res 54,5702-5710.
1. Uddin, M. et al. (2008). Marinobufagenin inhibits proliferation and migration of cytotrophoblast and CHO cells. Placenta 29(3):266-273.
2. Ji, H. et al. (2007). LKB1 modulates lung cancer differentiation and metastasis. Nature 448:807-810

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/assay-kits/cytoselect-24-well-cell-invasion-fluorometric/44574>