

CytoSelect 48-well Cell Adhesion Assay (ECM Array, Colorimetric) Assay Kit

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CATALOG #
AAA11428

PRODUCT SYNONYMS

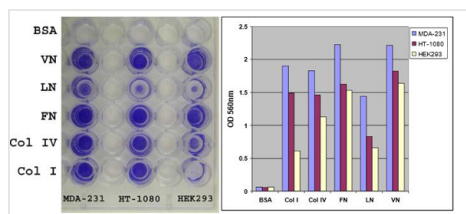
CytoSelect 48-well Cell Adhesion Assay (ECM Array; Colorimetric); Colorimetric) assay kit

PRODUCT SPECIFICATIONS

Preparation and Storage

Store all kit components at 4 degree C up to their expiration dates.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CytoSelect 48-well Cell Adhesion Assay (ECM Array, Colorimetric) assay kit

Principle of the Assay: The CytoSelect™ Cell Adhesion Assay Kit utilizes an ECM protein-coated 48-well plate (see Adhesion Plate Layout below). First, cells are seeded onto the coated substrate, where the adherent cells are captured. Next, unbound cells are washed away, and the adherent cells are fixed/stained. Finally, the stain is extracted and quantified colorimetrically.

Background/Introduction: Cell adhesion is a complex process involved in embryogenesis, migration/invasion, tissue remodeling, and wound healing. To perform these processes, cells adhere to extracellular matrix components (via adhesion receptors), forming complexes with components of the cytoskeleton that ultimately affect cell motility, differentiation, proliferation, and survival. The CytoSelect™ Cell Adhesion Assay Kit provides a rapid, quantitative method for evaluating cell adhesion. The kit contains sufficient reagents for the evaluation of 48 samples (40 ECM protein-coated wells, 8 BSA-coated wells).

Product Categories/Family for CytoSelect 48-well Cell Adhesion Assay (ECM Array, Colorimetric) assay kit

[Cell Based Assays](#); [Cell Adhesion](#); [48-Well ECM Cell Adhesion Assays](#)

References

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2. Schwartz, M. A., Schaller, M. D. and Ginsberg, M. H. (1995) Annu. Rev. Cell Dev. Biol. 11:549-599.
1. Tanoury, Z, et al. (2014). Genes involved in cell adhesion and signaling: a new repertoire of retinoic acid receptor target genes in mouse embryonic fibroblasts. J. Cell Sci. 127:521-533.
2. Xing, C. et al. (2013). Reversing effect of ring finger protein 43 inhibition on malignant phenotypes of human hepatocellular carcinoma. Mol. Cancer Ther. 12:94-103.
3. Mei, J. et al. (2012). Inhibition of IDO1 suppresses cyclooxygenase-2 and matrix metalloproteinase-9 expression and decreases proliferation, adhesion and invasion of endometrial stromal cells. Mol. Human. Reprod. 10.1093/molehr/gas021.
4. Kandalam, V. et al. (2011). Lack of tissue inhibitor of metalloproteinases 2 leads to exacerbated left ventricular dysfunction and adverse extracellular matrix remodeling in response to biomechanical stress. Circulation 124:2094-2105.
5. Tsukamoto, H. et al. (2011). Evaluation of anticancer activities of benzo[c]phenanthridine alkaloid sanguinarine in oral squamous cell carcinoma cell line. Anticancer Res. 31:2841-2846.
6. Cervera, A.M. et al. (2008). Cells silenced for SDHB expression display characteristic features of the tumor phenotype. Cancer Res. 68:4058-4067.

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-48-well-cell-adhesion-assay-ecm-array-colorimetric/11428>