

CytoSelect Leukocyte Transmigration Assay Assay Kit

CytoSelect Leukocyte Transmigration Assay

CATALOG #
AAA44523

PRODUCT SYNONYMS

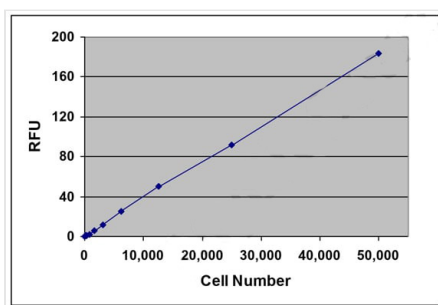
CytoSelect Leukocyte Transmigration Assay; CytoSelect Leukocyte Transmigration Assay assay kit

PRODUCT SPECIFICATIONS

Preparation and Storage

LeukoTracker Solution and TNFa should be removed from the kit and stored at -20 degree C immediately. Store all other components at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CytoSelect Leukocyte Transmigration Assay assay kit

Background: Leukocyte extravasation into perivascular tissue plays a key role in inflammatory diseases. This recruitment requires leukocyte interaction with vascular endothelium and consists of multiple, consecutive processes including the capture of circulating leukocytes, subsequent leukocyte rolling, arrest, firm adhesion and transmigration (Figure 1). This multistep paradigm is realized by sequential activation-dependent interactions between endothelial cell adhesion molecules and their specific ligands on leukocytes. The first step of transient adhesion and rolling is known to be mediated by an interaction of leukocyte or endothelial cell selectins and their oligosaccharide-bearing ligands. Arrest and firm adhesion of leukocytes to endothelium is dependent on the activation of beta2 integrins like Mac-1 or LFA-1 on the leukocyte cell surface, followed by interaction with endothelial cell proteins belonging to the Ig superfamily such as ICAM-1. CytoSelect™ Leukocyte Transmigration Assay provides a robust system for the quantitative determination of leukocyte-endothelium interactions and transigrations. The kit contains sufficient reagents for the evaluation of 24 assays in a 24-well plate format.

Product Categories/Family for CytoSelect Leukocyte Transmigration Assay assay kit

[Cell Based Assays](#); [Cell Migration](#); [Invasion and Wound Healing](#); [Boyden Chamber Assays](#); [Transmigration Assays](#)

References

1. Carlos T. M and Harlan J. M. (1994) Blood 84, 2068-101.
2. Meldrum, D. R. (1998) Am. J. Physiol. 274, R577-R595.
1. Zhao, L. et al. (2008). CD44 expressed on both bone marrow-derived and non-bone marrow-derived cells promotes atherogenesis in ApoE-deficient mice. Arterioscler. Thromb. Vasc. Biol. 28:1283-1289.
2. Fava, G. et al. (2008). Leptin enhances cholangiocarcinoma cell growth. Cancer Res. 68:6752-6761.

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.

