

PSSST... CELLS ARE SLEEPING!



PRINCESS®

SLEEPING CELLS FOR INSTANT USE

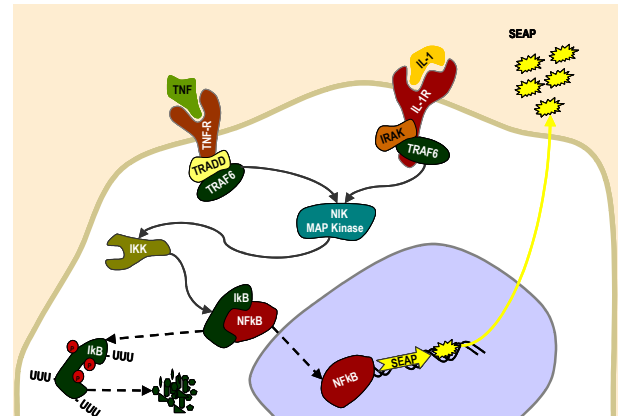
provided by
CCS CELL CULTURE SERVICE
certified to ISO 9001:2000

PRINCESS® NINA - Instant NFκB Assay

PRINCESS® NINA – Instant NFκB Assay enables a fast and reliable screening for anti-inflammatory drugs or mediators of inflammation.

Recombinant reporter cells are frozen in micro-well plates and can be used immediately after thawing without passaging. No pre-cultivation or expansion of the cells is necessary.

The cells express Secreted Alkaline Phosphatase (SEAP) upon activation of NFκB signaling pathways. Detection of the reporter is very sensitive using chemoluminescent or fluorescent substrates. SEAP is secreted into the cell culture supernatant. Because the cells are not lysed, subsequent assays e.g. for cytotoxicity can be performed in the same plate.



Signaling Pathway of NFκB

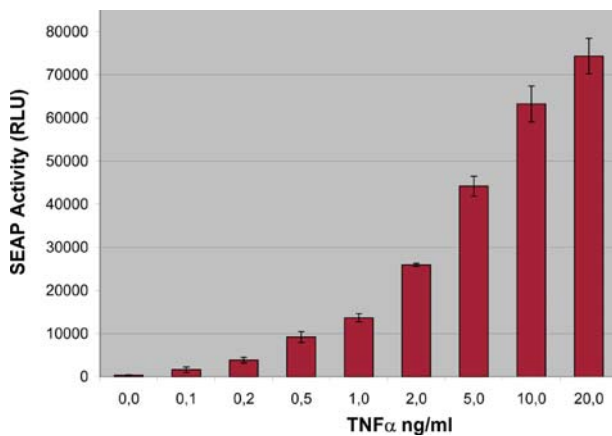


Fig. 1: Dynamic Range of Princess NINA – Instant NFκB Assay.

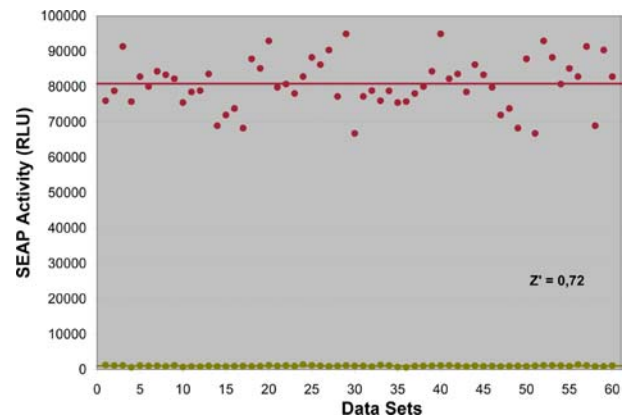


Fig. 3: Z'-Factor of Princess NINA - Instant NFκB Assay determined after stimulation with 10 ng TNFα

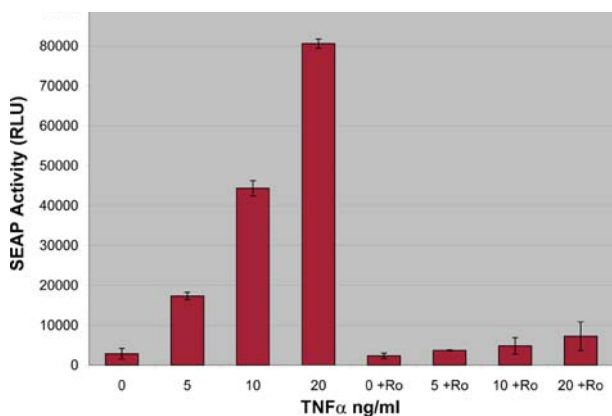


Fig. 2: Incubation of Princess NINA with Ro106-922 before stimulation with TNFα. The NFκB inhibitor Ro efficiently blocks the activation of SEAP expression.

- ✓ No Cell Expansion or Passaging
- ✓ Fast and Sensitive Assay
- ✓ Reproducible Results

Cell Lines: - A549-NFκB-SEAP*
Assay Reagents: - MUP (fluorescent substrate)
 - CSPD® (chemoluminescent substrate)

*: Cell a genetically modified and have to be handled according to biosafety level S1. CSPD® is a registered trademark of Tronix Inc. (Bedford, MA, USA)