

96-Well Ras Activation ELISA Kit

96-Well Ras Activation ELISA Kit (Colorimetric)

CATALOG #
AAA44513

PRODUCT SYNONYMS

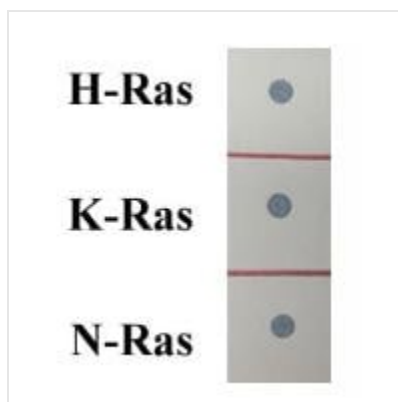
96-Well Ras Activation; 96-Well Ras Activation ELISA Kit (Colorimetric); 96-Well Ras Activation elisa kit

PRODUCT SPECIFICATIONS

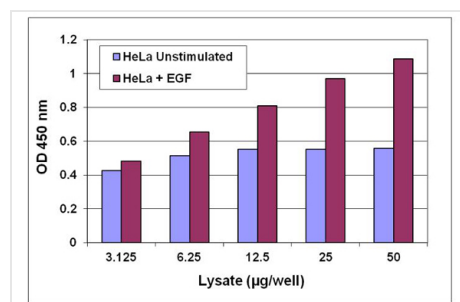
Preparation and Storage

Upon receipt, aliquot and store Raf-1 RBD at -80 degree C and avoid freeze/thaw. Aliquot and store the anti-pan-Ras Antibody, Secondary Antibody, GTPgammaS, and GDP components at -20 degree C and avoid freeze/thaw. Store all other components at 4 degree C until their expiration dates.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for 96-Well Ras Activation elisa kit

Background: Small GTP-binding proteins (or GTPases) are a family of proteins that serve as molecular regulators in signaling transduction pathways. Ras, a 21 kDa protein, regulates a variety of biological response pathways that include cell growth, cell transformation and tumor invasion. Like other small GTPases, Ras regulates molecular events by cycling between an inactive GDP-bound form and an active GTP-bound form. In its active (GTP-bound) state, Ras binds specifically to the Ras-binding domain (RBD) of Raf-1 to control downstream signaling cascades. The most notable members of the Ras subfamily are H-Ras, N-Ras and K-Ras, mainly for being implicated in many types of cancer. 96-well Ras Activation ELISA Kit utilizes plate-bound, Raf-1 RBD to selectively isolate and pull-down the active forms of Ras (H-, K-, and N-Ras isoforms from human, mouse and rat) from purified samples or endogenous lysates. Subsequently, the captured GTP-Ras is detected by an Anti-pan-Ras Antibody and HRP conjugated secondary antibody. 96-well Ras Activation ELISA Kit provides a simple and fast tool to monitor the activation of Ras. Each kit provides sufficient reagents to perform up to 96 assays.

Product Categories/Family for 96-Well Ras Activation elisa kit

[Cell Signaling and Protein Biology](#); [G Protein Signaling/Small GTPase Assays and Reagents](#); [Small GTPase Research Tools](#); [Small GTPase Activation ELISA Kits](#); [Ras Activation ELISA](#); [Colorimetric](#)

References

1. Bar-Sagi D., and Hall A. (2000) Cell 103: 227-38.
2. de Rooij J., and Bos J. L. (1997) Oncogene 14: 623-5.

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.

