

Mouse Reactive Oxygen Species (ROS) ELISA Kit | ROS elisa kit

Mouse Reactive Oxygen Species (ROS) ELISA Kit

CATALOG #
AAA31520

REACTIVITY
Mouse

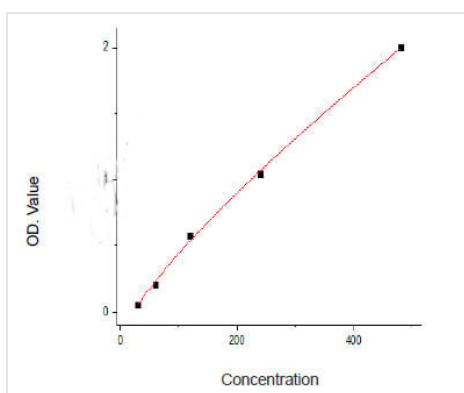
PRODUCT SYNONYMS

Reactive Oxygen Species (ROS); Mouse Reactive Oxygen Species (ROS) ELISA Kit; ROS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ROS elisa kit

Principle of the Assay: Mouse Reactive Oxygen Species (ROS) ELISA Kit employs a two-site sandwich ELISA to quantitate ROS in samples. An antibody specific for ROS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ROS present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Mouse ROS detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of ROS bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background/Introduction: Reactive Oxygen Species (ROS) are a by-product of biological aerobic metabolism. They play a significant role in cell signal transmission and maintaining the body's constancy. However, under the influence of external environment (eg: exposure to ultraviolet light, heat exposure, ionizing radiation), the amount of ROS will increase sharply. Excessive levels of ROS can cause damage to cell and gene structures, and eventually significant cell structure damage occurs.

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.