

Mouse Mitochondrial Respiratory Chain Complex IV ELISA Kit | MRC4 elisa kit

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CATALOG #
AAA247351

REACTIVITY
Mouse

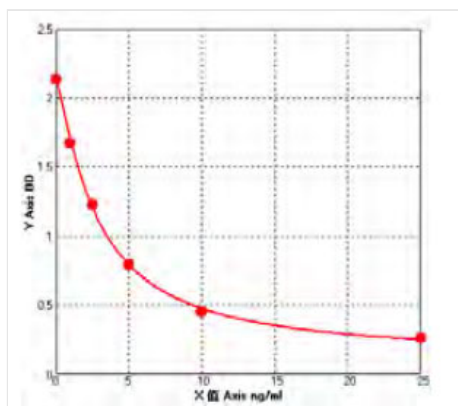
PRODUCT SYNONYMS

Mitochondrial Respiratory Chain Complex IV; Mouse Mitochondrial Respiratory Chain Complex IV ELISA Kit; MRC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of RCIV. No significant cross-reactivity or interference between RCIV and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RCIV and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MRC4 elisa kit	Intended Uses: This RCIV ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse RCIV. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: RCIV ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RCIV antibody and an RCIV-HRP conjugate. The assay sample and buffer are incubated together with RCIV-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the RCIV concentration since RCIV from samples and RCIV-HRP conjugate compete for the anti-RCIV antibody binding site. Since the number of sites is limited, as more sites are occupied by RCIV from the sample, fewer sites are left to bind RCIV-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RCIV concentration in each sample is interpolated from this standard curve.
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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/mrc4-mouse-elisa-kits/mitochondrial-respiratory-chain-complex-iv/247351>