

Human Cytochrome c oxidase subunit 7A related protein, mitochondrial (COX7A2L) ELISA Kit | COX7A2L elisa kit

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CATALOG #
AAA245416

REACTIVITY
Human

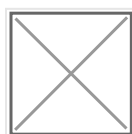
PRODUCT SYNONYMS

Cytochrome c oxidase subunit 7A related protein; mitochondrial (COX7A2L); Human Cytochrome c oxidase subunit 7A related protein; mitochondrial (COX7A2L) ELISA Kit; COX7A2L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Sandwich
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COX7A2L elisa kit

Intended Uses: This COX-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat COX-2. This ELISA kit for research use only!

Principle of the Assay: COX-2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for COX-2. Standards or samples are then added to the microtiter plate wells and COX-2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of COX-2 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for COX-2 are added to each well to "sandwich" the COX-2 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain COX-2 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX-2 concentration in each sample is interpolated from this standard curve.

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.