

Mouse Citron Rho-interacting kinase (CIT) ELISA Kit | CIT elisa kit

Mouse Citron Rho-interacting kinase (CIT) ELISA Kit

CATALOG #
AAA246745

REACTIVITY
Mouse

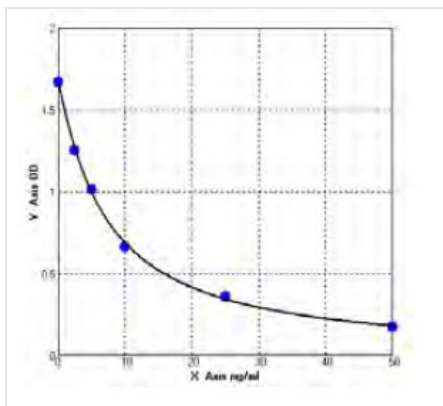
PRODUCT SYNONYMS

Citron Rho-interacting kinase (CIT); Mouse Citron Rho-interacting kinase (CIT) ELISA Kit; CIT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CIT. No significant cross-reactivity or interference between CIT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CIT 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 all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CIT elisa kit	Intended Uses: This CIT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CIT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CIT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CIT antibody and an CIT-HRP conjugate. The assay sample and buffer are incubated together with CIT-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 CIT concentration since CIT from samples and CIT-HRP conjugate compete for the anti-CIT antibody binding site. Since the number of sites is limited, as more sites are occupied by CIT from the sample, fewer sites are left to bind CIT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CIT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CIT elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	71361669
NCBI GeneID	83620
NCBI Accession #	NP_001025082.1
NCBI GenBank Nucleotide #	NM_001029911.1
NCBI Official Full Name	citron Rho-interacting kinase
NCBI Official Synonym Full Names	citron rho-interacting serine/threonine kinase
NCBI Official Symbol	Cit
NCBI Protein Information	citron Rho-interacting kinase; citron kinase; citron-K kinase; postsynaptic density protein (citron); citron (rho-interacting, serine/threonine kinase 21)

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.