

Rat Cell division control protein 42 homolog (CDC42) ELISA Kit | CDC42 elisa kit

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CATALOG #
AAA244863

REACTIVITY
Rat

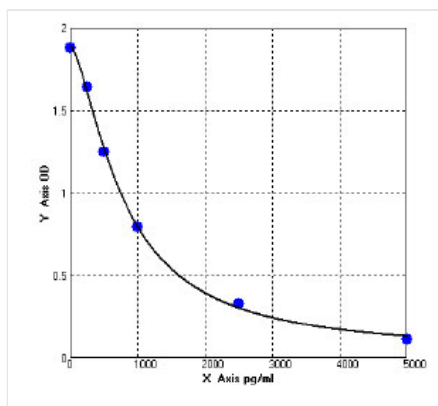
PRODUCT SYNONYMS

Cell division control protein 42 homolog (CDC42); Rat Cell division control protein 42 homolog (CDC42) ELISA Kit; CDC42 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CDC42. No significant cross-reactivity or interference between CDC42 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CDC42 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDC42 elisa kit	Intended Uses: This CDC42 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CDC42. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CDC42 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CDC42 antibody and an CDC42-HRP conjugate. The assay sample and buffer are incubated together with CDC42-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 CDC42 concentration since CDC42 from samples and CDC42-HRP conjugate compete for the anti-CDC42 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDC42 from the sample, fewer sites are left to bind CDC42-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDC42 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CDC42 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	89903012
NCBI GeneID	998
NCBI Accession #	NP_001034891.1
NCBI GenBank Nucleotide #	NM_001039802.1
Molecular Weight	21,311 Da
NCBI Official Full Name	cell division control protein 42 homolog isoform 1
NCBI Official Synonym Full Names	cell division cycle 42
NCBI Official Symbol	CDC42
NCBI Official Synonym Symbols	G25K; CDC42Hs
NCBI Protein Information	cell division control protein 42 homolog; G25K GTP-binding protein; GTP-binding protein, 25kD; growth-regulating protein; GTP binding protein, 25kDa; small GTP binding protein CDC42; dJ224A6.1.1 (cell division cycle 42 (GTP-binding protein, 25kD)); dJ224A6.1.2 (cell division cycle 42 (GTP-binding protein, 25kD))
UniProt Protein Name	Cell division control protein 42 homolog
UniProt Gene Name	CDC42
UniProt Entry Name	CDC42_HUMAN

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/rat-elisa-kits/cell-division-control-protein-42-homolog-cdc42/244863>