

Human Cdc42 effector protein 4 (CDC42EP4) ELISA Kit | CDC42EP4 elisa kit

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CATALOG #
AAA246341

REACTIVITY
Human

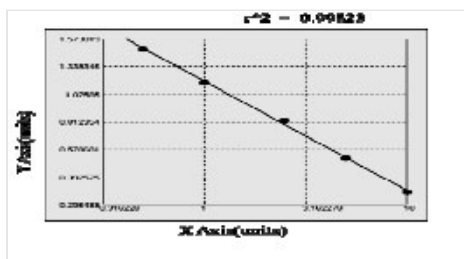
PRODUCT SYNONYMS

Cdc42 effector protein 4 (CDC42EP4); Human Cdc42 effector protein 4 (CDC42EP4) ELISA Kit; CDC42EP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CDC42EP4 elisa kit

Intended Uses: This CDC42EP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CDC42EP4. This ELISA kit for research use only!

Principle of the Assay||CDC42EP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CDC42EP4 antibody and an CDC42EP4-HRP conjugate. The assay sample and buffer are incubated together with CDC42EP4-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 CDC42EP4 concentration since CDC42EP4 from samples and CDC42EP4-HRP conjugate compete for the anti-CDC42EP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by CDC42EP4 from the sample, fewer sites are left to bind CDC42EP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDC42EP4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CDC42EP4 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13786127
NCBI GeneID	23580
NCBI Accession #	NP_036253.2
NCBI GenBank Nucleotide #	NM_012121.4
Molecular Weight	30,214 Da
NCBI Official Full Name	cdc42 effector protein 4
NCBI Official Synonym Full Names	CDC42 effector protein (Rho GTPase binding) 4
NCBI Official Symbol	CDC42EP4
NCBI Official Synonym Symbols	CEP4; BORG4; KAIA1777
NCBI Protein Information	cdc42 effector protein 4; binder of Rho GTPases 4
UniProt Protein Name	Cdc42 effector protein 4
UniProt Gene Name	CDC42EP4
UniProt Synonym Gene Names	BORG4; CEP4
UniProt Entry Name	BORG4_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/human-elisa-kits/cdc42-effector-protein-4-cdc42ep4/246341>