

Human Transforming protein RhoA ELISA Kit | RHOA elisa kit

Human Transforming protein RhoA ELISA Kit

CATALOG #
AAA98594

REACTIVITY
Human

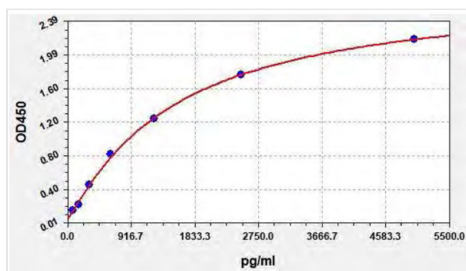
PRODUCT SYNONYMS

Transforming protein RhoA; Human Transforming protein RhoA ELISA Kit; RHOA/Rho cDNA clone 12/h12//ARH12/ARHA; RHOA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize RHOA, no obvious cross reaction with other analogues
Sequence Length	193
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RHOA elisa kit	Background: RhoA is a ubiquitously expressed cytoplasmic protein that belongs to the family of small GTPases. RhoA acts as a molecular switch that is activated in response to binding of chemokines, cytokines, and growth factors, and via mDia and the ROCK signaling cascade regulates the activation of cytoskeletal proteins, and other factors. Overexpression of RHOA gene is associated with tumor cell proliferation and metastasis. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti RHOA antibody was pre-coated onto the 96-well plate. The biotin conjugated anti RHOA antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with RHOA conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of RHOA in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	927669104
NCBI GeneID	387
NCBI Accession #	NP_001300870.1
NCBI GenBank Nucleotide #	NM_001313941.1
Molecular Weight	21,768 Da
NCBI Official Full Name	transforming protein RhoA isoform 1
NCBI Official Synonym Full Names	ras homolog family member A
NCBI Official Symbol	RHOA
NCBI Official Synonym Symbols	ARHA; ARH12; RHO12; RHOH12
NCBI Protein Information	transforming protein RhoA
UniProt Protein Name	Transforming protein RhoA
UniProt Gene Name	RHOA
UniProt Synonym Gene Names	ARH12; ARHA; RHO12; h12
UniProt Entry Name	RHOA_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.