Human Rho-Related GTP-Binding Protein RhoC (RHOC) ELISA Kit | RHOC elisa kit

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CATALOG #	REACTIVITY
AAA330995	**Human**

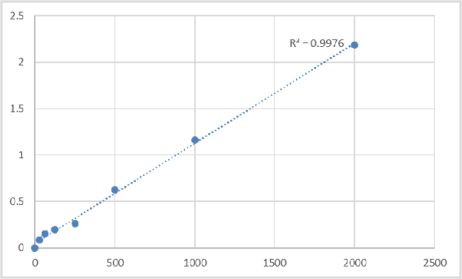
PRODUCT SYNONYMS

Rho-Related GTP-Binding Protein RhoC (RHOC); Human Rho-Related GTP-Binding Protein RhoC (RHOC) ELISA Kit; RHOC; RP11-426L16.4; ARH9; ARHC; H9; MGC1448; MGC61427; RHOH9; OTTHUMP00000013802; OTTHUMP00000013805; OTTHUMP00000013807; RAS-related homolog 9; Rho-related GTP-binding protein RhoC; oncogene RHO H9; rhoC GTPa; RHOC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Rho-related GTP-binding protein RhoC (RHOC) ELISA Kit has high sensitivity and excellent specificity for detection of Human RHOC. No significant cross-reactivity or interference between Human RHOC and analogues was observed.
Sequence Length	193
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)
Fig.1. Human Rho-related GTP-binding protein RhoC (RHOC) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RHOC elisa kit	Description: This Human Rho-related GTP-binding protein RhoC (RHOC) ELISA Kit employs a two-site sandwich ELISA to quantitate RHOC in samples. An antibody specific for RHOC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RHOC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RHOC is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RHOC bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: RhoC (Ras homolog gene family, member C) is a small (~21 kDa) signaling G protein (more specifically a GTPase), and is a member of the Rac subfamily of the family Rho family of GTPases.It cycles between inactive GDP-bound and active GTP-bound states and function as molecular switches in signal transduction cascades. Rho proteins promote reorganization of the actin cytoskeleton and regulate cell shape, attachment, and motility. It is prenylated at its C-terminus, and localizes to the cytoplasm and plasma membrane. It is thought to be important in cell locomotion. Overexpression of this gene is associated with tumor cell proliferation and metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.

NCBI AND UNIPROT INFORMATION

NCBI GI #	111494248
NCBI GeneID	389
NCBI Accession #	NP_001036143.1
NCBI GenBank Nucleotide #	NP_001036143.1
UniProt Accession #	P08134
NCBI Official Full Name	rho-related GTP-binding protein RhoC
NCBI Official Synonym Full Names	ras homolog family member C
NCBI Official Symbol	RHOC
NCBI Official Synonym Symbols	H9; ARH9; ARHC; RHOH9
NCBI Protein Information	rho-related GTP-binding protein RhoC
UniProt Protein Name	Rho-related GTP-binding protein RhoC
UniProt Gene Name	**RHOC**
UniProt Synonym Gene Names	ARH9; ARHC; h9
UniProt Entry Name	RHOC_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://www.aaabiotech.com/human-elisa-kits/rho-related-gtp-binding-protein-rhoc-rhoc/330995