

Human Ras related C3 Botulinum Toxin Substrate 1 ELISA Kit | RAC1 elisa kit

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CATALOG #
AAA86452

REACTIVITY
Human

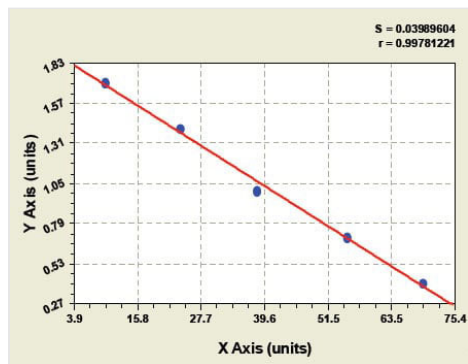
PRODUCT SYNONYMS

Ras related C3 Botulinum Toxin Substrate 1; Human Ras related C3 Botulinum Toxin Substrate 1 ELISA Kit; RAC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This Rac1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Rac1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RAC1 elisa kit

Principle of the assay: Rac1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Rac1 antibody and an Rac1-HRP conjugate. The assay sample and buffer are incubated together with Rac1-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 Rac1 concentration since Rac1 from samples and Rac1-HRP conjugate compete for the anti-Rac1 antibody binding site. Since the number of sites is limited, as more sites are occupied by Rac1 from the sample, fewer sites are left to bind Rac1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Rac1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51702787
NCBI GeneID	5879
Molecular Weight	23,467 Da
NCBI Official Full Name	Ras-related C3 botulinum toxin substrate 1
NCBI Official Synonym Full Names	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
NCBI Official Symbol	RAC1
NCBI Official Synonym Symbols	MIG5; Rac-1; TC-25; p21-Rac1
NCBI Protein Information	ras-related C3 botulinum toxin substrate 1; ras-like protein TC25; cell migration-inducing gene 5 protein
UniProt Protein Name	Ras-related C3 botulinum toxin substrate 1
UniProt Gene Name	RAC1
UniProt Synonym Gene Names	TC25; MIG5
UniProt Entry Name	RAC1_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/rac1-human-elisa-kits/ras-related-c3-botulinum-toxin-substrate-1/86452>