

Rat Caveolin-3 (CAV3) ELISA Kit | CAV3 elisa kit

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CATALOG #
AAA246172

REACTIVITY
Rat

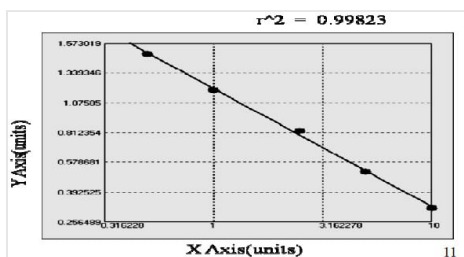
PRODUCT SYNONYMS

Caveolin-3 (CAV3); Rat Caveolin-3 (CAV3) ELISA Kit; CAV3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CAV-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CAV-3. 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 CAV3 elisa kit

Principle of the assay: CAV-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CAV-3 antibody and an CAV-3-HRP conjugate. The assay sample and buffer are incubated together with CAV-3-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 CAV-3 concentration since CAV-3 from samples and CAV-3-HRP conjugate compete for the anti-CAV-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CAV-3 from the sample, fewer sites are left to bind CAV-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAV-3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15451860
NCBI GeneID	859

NCBI Accession #	NP_203123.1
NCBI GenBank Nucleotide #	NM_033337.2
Molecular Weight	17,259 Da
NCBI Official Full Name	caveolin-3
NCBI Official Synonym Full Names	caveolin 3
NCBI Official Symbol	CAV3
NCBI Official Synonym Symbols	LQT9; VIP21; LGMD1C; VIP-21
NCBI Protein Information	caveolin-3; M-caveolin
UniProt Protein Name	Caveolin-3
UniProt Gene Name	CAV3
UniProt Entry Name	CAV3_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/caveolin-3-cav3/246172>