

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

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CATALOG #
AAA244592

REACTIVITY
Mouse

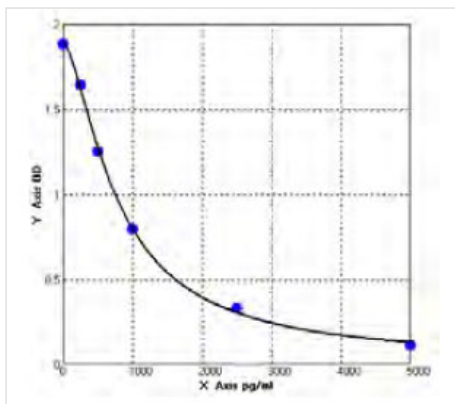
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CAV-3. No significant cross-reactivity or interference between CAV-3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CAV-3 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAV3 elisa kit	Intended Uses: This CAV-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CAV-3. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CAV-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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.
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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/mouse-elisa-kits/caveolin-3-cav3/244592>