

Human Caveolin 1 ELISA Kit | CAV1 elisa kit

Human Caveolin 1 ELISA Kit

CATALOG #
AAA16354

REACTIVITY
Human

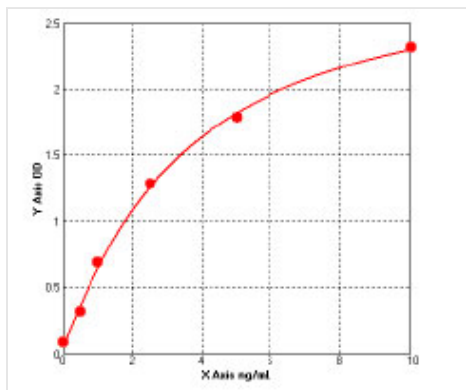
PRODUCT SYNONYMS

Caveolin 1; Human Caveolin 1 ELISA Kit; CAV1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CAV-1. No significant cross-reactivity or interference between CAV-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CAV-1 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 or Sandwich
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAV1 elisa kit	Intended Uses: This CAV-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CAV-1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CAV-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CAV-1. Standards or samples are then added to the microtiter plate wells and CAV-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CAV-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CAV-1 are added to each well to "sandwich" the CAV-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CAV-1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAV-1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CAV1 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4972627
NCBI GeneID	857
Molecular Weight	17,023 Da
NCBI Official Full Name	caveolin 1, partial
NCBI Official Synonym Full Names	caveolin 1, caveolae protein, 22kDa
NCBI Official Symbol	CAV1
NCBI Official Synonym Symbols	CGL3; PPH3; BSCL3; LCCNS; VIP21; MSTP085
NCBI Protein Information	caveolin-1; cell growth-inhibiting protein 32
UniProt Protein Name	Caveolin-1
UniProt Gene Name	CAV1
UniProt Synonym Gene Names	CAV
UniProt Entry Name	CAV1_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.