

Human Cytoplasmic Antiproteinase 3 (CAP3) ELISA Kit | CAP3 elisa kit

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CATALOG #
AAA186257

REACTIVITY
Human

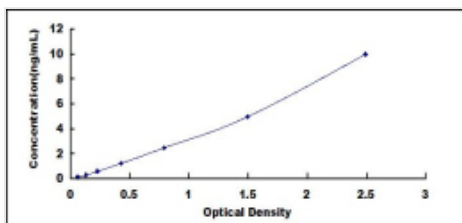
PRODUCT SYNONYMS

Cytoplasmic Antiproteinase 3 (CAP3); Human Cytoplasmic Antiproteinase 3 (CAP3) ELISA Kit; SERPINB9; PI9; Serpin Peptidase Inhibitor Clade B Member 9; Peptidase inhibitor 9; CAP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Cytoplasmic Antiproteinase 3 (CAP3). No significant cross-reactivity or interference between Cytoplasmic Antiproteinase 3 (CAP3) and analogues was observed.
Sequence Length	376
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cytoplasmic Antiproteinase 3 (CAP3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cytoplasmic Antiproteinase 3 (CAP3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAP3 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cytoplasmic Antiproteinase 3 (CAP3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cytoplasmic Antiproteinase 3 (CAP3). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cytoplasmic Antiproteinase 3 (CAP3), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cytoplasmic Antiproteinase 3 (CAP3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1160929
NCBI GeneID	5272
UniProt Accession #	P50453; Q5TD03; B2RBW3
Molecular Weight	42,404 Da
NCBI Official Full Name	cytoplasmic antiproteinase 3
NCBI Official Synonym Full Names	serpin family B member 9
NCBI Official Symbol	SERPINB9
NCBI Official Synonym Symbols	PI9; CAP3; PI-9; CAP-3
NCBI Protein Information	serpin B9
UniProt Protein Name	Serpin B9
UniProt Gene Name	SERPINB9
UniProt Synonym Gene Names	PI9; CAP-3; CAP3; PI-9

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/human-elisa-kits/cytoplasmic-antiproteinase-3-cap3/186257>