

Mouse CD143 ELISA Kit | ACE elisa kit

Mouse CD143 ELISA Kit

CATALOG # AAA105527	REACTIVITY Mouse	APPLICATIONS ELISA
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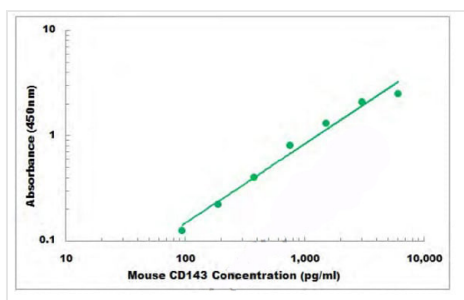
PRODUCT SYNONYMS

CD143; Mouse CD143 ELISA Kit; DCP; DCP1; Angiotensin-converting enzyme; ACE; Dipeptidyl carboxypeptidase I; Kininase II; ACE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse CD143 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse CD143 proteins within the range of 93.8 pg/ml - 6000 pg/ml.
Sequence Length	732
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for ACE elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACE elisa kit	Principle of the Assay TheMouse CD143 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse CD143 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse CD143 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD143 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse CD143 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD143 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Angiotensin-converting enzyme (ACE) is a zinc-containing dipeptidyl carboxypeptidase widely distributed in mammalian tissues and is thought to play a critical role in blood pressure regulation. The predicted protein is identical, from residue 37 to its C terminus, to the second half or C-terminal domain of the endothelial ACE sequence. The protein sequence inferred consists of a 732-residue preprotein including a 31-residue signal peptide. The mature polypeptide has a molecular weight of 80,073. Although ACE has been studied primarily in the context of its role in blood pressure regulation, this widely distributed enzyme has many other physiological functions. The ACE gene encodes two isozymes. The somatic isozyme is expressed in many tissues, including vascular endothelial cells, renal epithelial cells, and testicular Leydig cells, whereas the testicular or germinal angiotensin-converting enzyme is expressed only in sperm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33468873
NCBI GeneID	11421
NCBI Accession #	NP_033728.1
NCBI GenBank Nucleotide #	NM_009598.2
UniProt Accession #	P09470; P22967; Q6GTS2
Molecular Weight	84,047 Da
NCBI Official Full Name	angiotensin-converting enzyme isoform 2
NCBI Official Synonym Full Names	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1
NCBI Official Symbol	Ace
NCBI Official Synonym Symbols	CD143; AW208573
NCBI Protein Information	angiotensin-converting enzyme; kininase II; dipeptidyl peptidase; dipeptidyl carboxypeptidase I
UniProt Protein Name	Angiotensin-converting enzyme
UniProt Gene Name	Ace
UniProt Synonym Gene Names	Dcp1; ACE
UniProt Entry Name	ACE_MOUSE

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/ace-mouse-elisa-kits/cd143/105527>