Human Caudal Type Homeobox Transcription Factor 2 (CDX2) ELISA Kit | CDX2 elisa kit

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CATALOG #	REACTIVITY
AAA137747	**Human**

PRODUCT SYNONYMS

Caudal Type Homeobox Transcription Factor 2 (CDX2); Human Caudal Type Homeobox Transcription Factor 2 (CDX2) ELISA Kit; CDX3; Homeobox Protein CDX-2; CDX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Caudal Type Homeobox Transcription Factor 2 (CDX2). No significant cross-reactivity or interference between Caudal Type Homeobox Transcription Factor 2 (CDX2) and analogues was observed.
Sequence Length	313
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Caudal Type Homeobox Transcription Factor 2 (CDX2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Caudal Type Homeobox Transcription Factor 2 (CDX2) 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 CDX2 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 Caudal Type Homeobox Transcription Factor 2 (CDX2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Caudal Type Homeobox Transcription Factor 2 (CDX2). 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 Caudal Type Homeobox Transcription Factor 2 (CDX2), 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 Caudal Type Homeobox Transcription Factor 2 (CDX2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CDX2 elisa kit	Signal transduction; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119628827
NCBI GeneID	1045
UniProt Accession #	Q99626; O00503; Q5VTU7; Q969L8; Q9UD92
Molecular Weight	33,520 Da
NCBI Official Full Name	caudal type homeobox transcription factor 2
NCBI Official Synonym Full Names	caudal type homeobox 2
NCBI Official Symbol	CDX2
NCBI Official Synonym Symbols	CDX3; CDX-3; CDX2/AS
NCBI Protein Information	homeobox protein CDX-2
UniProt Protein Name	Homeobox protein CDX-2
UniProt Gene Name	**CDX2**
UniProt Synonym Gene Names	CDX3
UniProt Entry Name	CDX2_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/human-elisa-kits/caudal-type-homeobox-transcription-factor-2-cdx2/137747