

## Human CDX2 (Homeobox protein CDX-2) ELISA Kit | CDX2 elisa kit

Human CDX2 (Homeobox protein CDX-2)

CATALOG #  
**AAA102601**

REACTIVITY  
**Human**

### PRODUCT SYNONYMS

CDX2 (Homeobox protein CDX-2); Human CDX2 (Homeobox protein CDX-2); Caudal Type Homeobox Transcription Factor 2/CDX-3/CDX3; CDX2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of CDX2 . No significant cross-reactivity or interference between CDX2 and analogues was observed.                               |
| Sequence Length         | 271                                                                                                                                                                                                      |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                                                                          |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                                                                     |
| Detection Range         | 31.25-2000pg/ml                                                                                                                                                                                          |
| Sensitivity             | 18.75pg/ml                                                                                                                                                                                               |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CDX2were tested 20 times on one plate, respectively. Intra-Assay: CV<8%                                     |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CDX2were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10% |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C                                             |

### IMAGES

#### Typical Data & Standard Curve

Results of a typical standard run of a CDX2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

|   |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| X | pg/ml | 0     | 31.25 | 62.5  | 125   | 250   | 500   | 1000  | 2000  |
| Y | OD450 | 0.006 | 0.049 | 0.114 | 0.217 | 0.463 | 1.067 | 1.851 | 2.398 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CDX2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CDX2antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- CDX2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the CDX2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CDX2 can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GI #                        | 672351844              |
| NCBI GeneID                      | 1045                   |
| Molecular Weight                 | 33,520 Da              |
| NCBI Official Full Name          | CDX2/AS                |
| 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/cdx2-homeobox-protein-cdx-2/102601>