

## Human NKX2-5 (NK2 Homeobox 5) ELISA Kit | NKX2-5 elisa kit

Human NKX2-5 (NK2 Homeobox 5) ELISA Kit

CATALOG #  
AAA277666

REACTIVITY  
Human

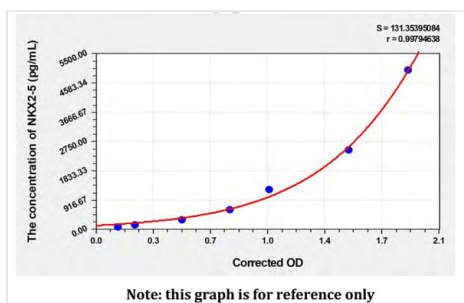
### PRODUCT SYNONYMS

NKX2-5 (NK2 Homeobox 5); Human NKX2-5 (NK2 Homeobox 5) ELISA Kit; Cardiac-specific homeobox; Homeobox protein CSX; Homeobox protein NK-2 homolog E; CSX; NKX2.5; NKX2E; NKX2-5 elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Human                                                                                                                                                                                     |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of Human NKX2-5. No significant cross-reactivity or interference between Human NKX2-5 and analogues was observed. |
| Assay Type            | Sandwich                                                                                                                                                                                  |
| Detection Range       | 78.13-5000 pg/mL                                                                                                                                                                          |
| Sensitivity           | 21.3 pg/mL                                                                                                                                                                                |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.                    |
| Inter-assay Precision | Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for NKX2-5 elisa kit

Principle of the Assay: 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 Human NKX2-5. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human NKX2-5. 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 Human NKX2-5, 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 Human NKX2-5 in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI GI #                        | 260898750                                            |
| NCBI GeneID                      | 1482                                                 |
| NCBI Accession #                 | NP_001159647.1                                       |
| NCBI GenBank Nucleotide #        | NM_001166175.1                                       |
| UniProt Accession #              | P52952; A8K3K0; B4DNB6; E9PBU6                       |
| Molecular Weight                 | 11,681 Da                                            |
| NCBI Official Full Name          | homeobox protein Nkx-2.5 isoform 2                   |
| NCBI Official Synonym Full Names | NK2 homeobox 5                                       |
| NCBI Official Symbol             | NKX2-5                                               |
| NCBI Official Synonym Symbols    | CSX; CSX1; VSD3; CHNG5; HLHS2; NKX2E; NKX2.5; NKX4-1 |
| NCBI Protein Information         | homeobox protein Nkx-2.5                             |
| UniProt Protein Name             | Homeobox protein Nkx-2.5                             |
| UniProt Gene Name                | NKX2-5                                               |
| UniProt Synonym Gene Names       | CSX; NKX2.5; NKX2E                                   |
| UniProt Entry Name               | NKX25_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/nkx2-5-nk2-homeobox-5/277666>