

## Mouse anti-Human NKX2.5 Monoclonal Antibody | anti-NKX2.5 antibody

NKX2.5 Mouse mAb

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                                     |
|-----------|-------|------------|--------------------------------------------------------------------------------------------------|
| AAA268515 | Mouse | Human      | ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

NKX2.5; Monoclonal Antibody; NKX2.5 Mouse mAb; CSX; NKX2E; anti-NKX2.5 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                            |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                      |
| Reactivity                                       | Human                                                                                                      |
| Clonality                                        | Monoclonal                                                                                                 |
| Isotype                                          | IgG1                                                                                                       |
| Clone Number                                     | 2E1                                                                                                        |
| Purity/Purification                              | Ascitic Fluid                                                                                              |
| Form/Format                                      | Ascitic fluid containing 0.03% Sodium Azide.                                                               |
| Sequence Length                                  | 112                                                                                                        |
| Applicable Applications for anti-NKX2.5 antibody | ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                        | Purified recombinant fragment of human NKX2.5 expressed in E. Coli.                                        |
| Cellular Localization                            | Nucleus                                                                                                    |
| Preparation and Storage                          | Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.                  |

### ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NKX2.5 antibody | NKX2.5: NK2 transcription factor related, locus 5 (Drosophila), also known as CSX. It is a homeobox-containing transcription factor. This transcription factor functions in heart formation and development. Mutations in this gene cause atrial septal defect with atrioventricular conduction defect, and also tetralogy of Fallot, which are both heart malformation diseases. Mutations in this gene can also cause congenital hypothyroidism non-goitrous type 5, a non-autoimmune condition. Alternative splicing results in multiple transcript variants. |
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### NCBI AND UNIPROT INFORMATION

|                           |                                    |
|---------------------------|------------------------------------|
| NCBI GI #                 | 260898750                          |
| NCBI GeneID               | 1482                               |
| NCBI Accession #          | NP_001159647.1                     |
| NCBI GenBank Nucleotide # | NP_001159647.1                     |
| UniProt Accession #       | P52952                             |
| Molecular Weight          | 35kDa                              |
| 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                | <b>NKX2-5</b>                                        |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/nkx25-antibody-clone-2e1-flow-cytometry-immunocytochemistry-immunohistochemistry-western-blot-elisa/268515>