



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## NKX2-5 monoclonal antibody (M08), clone 3E3

Catalog # : H00001482-M08

規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant NKX2-5.
<b>Immunogen:</b>	NKX2-5 (NP_004378, 1 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MFPSPALTPFPFSVKDILNLEQQQRSLAAAGEL SARLEATLAPSSCMLAA FKPEAYAGPEAAAPGLPELRAELGRAPSPAKCASAFPAPAFYPRAYS DPAKDPRAEKKELCALQKAVELEKTEADNA*
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (40.41 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

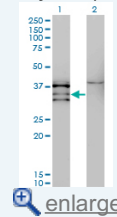
**Datasheet:** [Download](#)

### Applications

Western Blot (Transfected lysate)

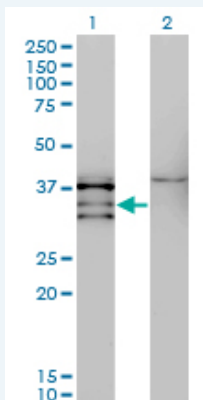
### Application Image

Western Blot (Transfected lysate)



Western Blot (Recombinant protein)

ELISA




Western Blot analysis of NKX2-5 expression in transfected 293T cell line by NKX2-5 monoclonal antibody (M08), clone 3E3.

Lane 1: NKX2-5 transfected lysate(34.92 KDa).  
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

### Western Blot (Recombinant protein)

 [Protocol Download](#)

### ELISA

### Gene Information

Entrez GeneID: [1482](#)

GeneBank [NM\\_004387](#)  
Accession#:

Protein [NP\\_004378](#)  
Accession#:

Gene Name: NKX2-5

Gene Alias: CHNG5,CSX,CSX1,NKX2.5,NKX2E,NKX4-1

Gene Description: NK2 transcription factor related, locus 5 (Drosophila)

Omim ID: [108900](#), [187500](#), [600584](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** Homeobox-containing genes play critical roles in regulating tissue-specific gene expression essential for tissue differentiation, as well as determining the temporal and spatial patterns of development (Shiojima et al., 1995 [PubMed 7665173]). It has been demonstrated that a Drosophila homeobox-containing gene called 'tinman' is expressed in the developing dorsal vessel and in the equivalent of the vertebrate heart. Mutations in tinman result in loss of heart formation in the embryo, suggesting that tinman is essential for Drosophila heart formation. Furthermore, abundant expression of Csx, the presumptive mouse homolog of tinman, is observed only in the heart from the time of cardiac differentiation. CSX, the human homolog of murine Csx, has a homeodomain sequence identical to that of Csx and is expressed only in the heart, again suggesting that CSX plays an important role in human heart formation.[supplied by OMIM

Other Designations: NK2 transcription factor homolog E,NK2 transcription factor related, locus 5,cardiac-specific homeo box,tinman paralog

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[Heart Septal Defects, Ventricular](#)

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