

## Mouse Monoclonal Antibody to NKX2.5

<b>Catalogue Number</b>	sAP-0319
<b>Target Molecule</b>	<b>Name: NKX2.5</b> <b>Aliases: CSX; NKX2E</b> <b>MW: 35kDa</b> <b>Entrez Gene ID: 1482</b>
<b>Description</b>	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.
<b>Immunogen</b>	Purified recombinant fragment of human NKX2.5 expressed in E. Coli.
<b>Recitative Species</b>	Human
<b>Clone</b>	MM2E1;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Antibody are purified by protein G affinity chromatography. ; Liquid in PBS containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Stem Cells Dev. 2005 Aug;14(4):425-39. ; 2. Cancer Res. 2003 Sep 1;63(17):5329-34. ; 3. Circ J. 2002 Jun;66(6):561-3.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**