

## Mouse Monoclonal Antibody to MSX1

<b>Catalogue Number</b>	sAP-0548
<b>Target Molecule</b>	<b>Name:</b> MSX1 <b>Aliases:</b> HOX7; HYD1; STHAG1; MSX1 <b>MW:</b> 31kDa <b>Entrez Gene ID:</b> 4487
<b>Description</b>	Drosophila,muscle segment (msh) homolog 1,homeo domain encoding gene,inhibiting MYOD1 expression,highly expressed in dental mesenchyme during critical bud stage,involved in epithelial-mesenchymal signaling in many organs, and in the pathogenesis of cleft lip and palate,interacting with MSX2 in mouse limb bud patterning .This gene encodes a member of the muscle segment homeobox gene family. The encoded protein functions as a transcriptional repressor during embryogenesis through interactions with components of the core transcription complex and other homeoproteins. It may also have roles in limb-pattern formation, craniofacial development, particularly odontogenesis, and tumor growth inhibition.Tissue specificity: Expressed in the developing nail bed mesenchyme.
<b>Immunogen</b>	Purified recombinant fragment of human MSX1 expressed in E. Coli.
<b>Recitative Species</b>	Human
<b>Clone</b>	MM5D11;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid 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. Zhonghua Kou Qiang Yi Xue Za Zhi. 2008 Mar;43(3):157-9. ; 2. Endocr Pathol. 2008 Spring;19(1):54-61.

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**