

Mouse Monoclonal Antibody to MSX1

Catalogue Number	sAP-0548
Target Molecule	<p>Name: MSX1</p> <p>Aliases: HOX7; HYD1; STHAG1; MSX1</p> <p>MW: 31kDa</p> <p>Entrez Gene ID: 4487</p>
Description	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.
Immunogen	Purified recombinant fragment of human MSX1 expressed in E. Coli.
Reactive Species	Human
Clone	MM5D11;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	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**