
Product Name: MSX1 Mouse Monoclonal Antibody**Catalog #: AMM80977**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	31kDa

Antigen Information

Gene Name	MSX1
Alternative Names	HOX7; HYD1; STHAG1; MSX1
Gene ID	4487.0
SwissProt ID	P28360
Immunogen	Purified recombinant fragment of human MSX1 expressed in E. Coli.

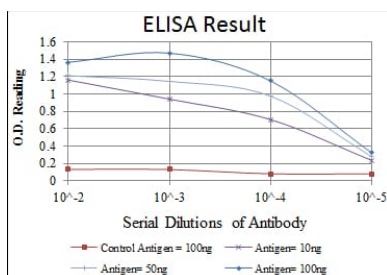
Background

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

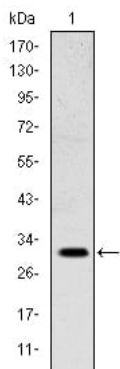
muscle segment homeobox gene family. The encoded protein functions as a transcriptional repressor during embryogenesis through interactions with components of the core transcription complex and other homeoproteins. It may also have roles in limb-pattern formation, craniofacial development, particularly odontogenesis, and tumor growth inhibition. Tissue specificity: Expressed in the developing nail bed mesenchyme.

Research Area

Image Data



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Western blot analysis using MSX1 mouse mAb against NTERA-2 cell lysate.