



MSX1 Mouse Monoclonal Antibody

E10-30197

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.

Catalog Number: E10-30197

Amount: 100 µg/100 µl

Clone Number: 5D11

Species: Mouse IgG1

MW: 31 kDa

Aliases: HOX7; HYD1; STHAG1; MSX1

Entrez Gene: 4487

Immunogen: Purified recombinant fragment of human MSX1 expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, ELISA: Propose dilution 1/10000.

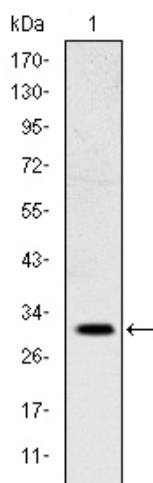
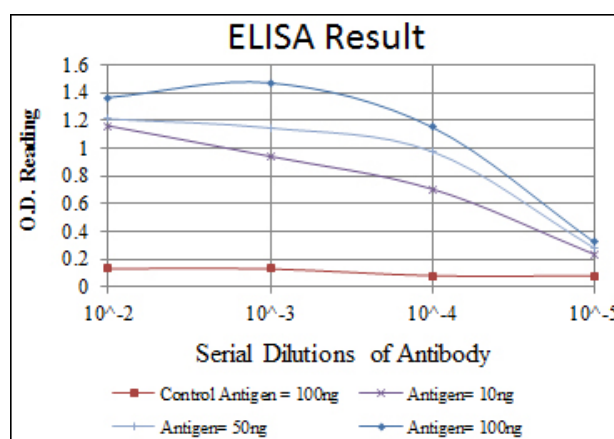


Figure 1: Western blot analysis using MSX1 mouse mAb against NTERA-2 cell lysate.



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