

## Datasheet

### MSX2 monoclonal antibody (M10), clone 1E8

**Catalog Number:** H00004488-M10

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant MSX2.

**Clone Name:** 1E8

**Immunogen:** MSX2 (AAH15509.1, 1 a.a. ~ 133 a.a)  
full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MASPSKGNDLFSPDEEGPAVVAGPGPGPGAEGAAE  
ERRVKVSSLPFSVEALMSDKKPPKEASPLPAESASAG  
ATLRPLLLSGHGAREAHSPGPLVKPFETASVKSENSE  
DGAAWMQEPGRYSPPPRHTSPTT

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IP, WB-Re, WB-Tr  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2b Kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 4488

**Gene Symbol:** MSX2

**Gene Alias:** CRS2, FPP, HOX8, MSH, PFM, PFM1

**Gene Summary:** This gene encodes a member of the muscle segment homeobox gene family. The encoded protein is a transcriptional repressor whose normal

activity may establish a balance between survival and apoptosis of neural crest-derived cells required for proper craniofacial morphogenesis. The encoded protein may also have a role in promoting cell growth under certain conditions and may be an important target for the RAS signaling pathways. Mutations in this gene are associated with parietal foramina 1 and craniosynostosis type 2. [provided by RefSeq]