

## Datasheet

### MSX1 monoclonal antibody (M03), clone 2B12

**Catalog Number:** H00004487-M03

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

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant MSX1.

**Clone Name:** 2B12

**Immunogen:** MSX1 (NP\_002439, 216 a.a. ~ 297 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

NRRAKAKRLQAELEKLKMAAKPMLPPAAFGLSFPLG  
GPAAVAAAAGASLYGASGPFQRAALPVAPVGLYTAHV  
GYSMYHLT

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IP

(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:** IgG2a 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:** 4487

**Gene Symbol:** MSX1

**Gene Alias:** HOX7, HYD1

**Gene Summary:** 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. Mutations in this gene, which was once known as homeobox 7, have been associated with nonsyndromic cleft lip with or without cleft palate 5, Witkop syndrome, Wolf-Hirschorn syndrome, and autosomal dominant hypodontia. [provided by RefSeq]