



## Product Information Sheet

### Monoclonal Anti-Myoglobin (Sephacrose Bead Conjugate)

**Catalogue No.** MA1062-S

**Immunogen**

Mucin from human ovarian cyst fluid.

**Lot No.** 08A12

**Purification**

**Clone:** JAN-12

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG1

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

**Size:** 200µl

**Specificity**

Human, rat.

No cross reactivity with other proteins.

**Storage**

Store at 4°C for frequent use.

**Recommended application**

*Immunoprecipitation(IP)*

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

**BACKGROUND**

Human myoglobin has 152 residues. Two myoglobin variants were found. The myoglobin locus mapped to 22q11-22q13. The myoglobin gene is about 10.5 kb long and contains two introns as in the case with hemoglobin genes. Myoglobin may serve a variety of functions in muscular oxygen supply, such as O(2) storage, facilitated O(2) diffusion, and myoglobin-mediated oxidative phosphorylation.

**REFERENCE**

1. Akaboshi, E. : Cloning of the human myoglobin gene. Gene 33: 241-249, 1985. 2. Jeffreys, A. J.; Wilson, V.; Blanchetot, A.; Weller, P.; Geurts van Kessel, A.; Spurr, N.; Solomon, E.; Goodfellow, P. : The human myoglobin gene: a third dispersed globin locus in the human genome. Nucleic Acids Res. 12: 3235-3243, 1984. 3. Godecke, A.; Flogel, U.; Zanger, K.; Ding, Z.; Hirchenhain, J.; Decking, U. K. M.; Schrader, J. : Disruption of myoglobin in mice induces multiple compensatory mechanisms. Proc. Nat. Acad. Sci. 96: 10495-10500, 1999.

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