



# ANOGEN - A Division of YES Biotech Laboratories Ltd.

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## Mouse Anti-Human PTMA Monoclonal Antibody Datasheet

**Product Name:** mAb anti-human PTMA

**Clone No.:** 5A10

**Catalogue No.:** MO-T40087E

**Quantity:** 0.5 mg/vial

**Description:** Mouse monoclonal antibody to human prothymosin alpha (PTMA)

**Purification:** Protein G affinity purified

**Product Type:** Primary antibody

**Target Protein:** Human prothymosin alpha (PTMA)

**Immunogen:** A short peptide (eeaengrdapangnan) derived from PTMA was conjugated with KLH for immunization.

**Fusion Myeloma:** Sp2/0-Ag14

**Specificity:** This antibody is reactive to PTMA peptide (eeaengrdapangnan) and GST tagged recombinant PTMA protein.

**Species Reactivity:** Human, others not tested

**Host / Isotype:** Mouse, IgG2a Kappa

**Formulation:** Lyophilized from a solution in 0.01M PBS, pH 7.0

**Reconstitution:** Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

**Storage:** Store at -20°C

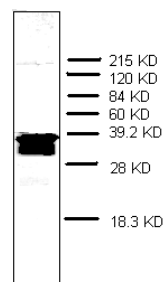
**Research Area:** Chromatin-remodelling, cell proliferation, oncology

**Background:** PTMA (prothymosin alpha) is the precursor of thymosin  $\alpha$ 1. It is an acidic, non-histone nuclear protein with 109-

111 amino acids. PTMA is implicated with cell cycle regulation, chromatin remodeling, expression of oxidative stress-response genes and immunomodulation. PTMA is elevated in malignances such as breast cancer, gastric cancer, prostate and bladder cancers. PTMA is a potential biomarker for the prognosis of cancer treatment.

### Applications:

**Western blot:** This antibody is reactive to GST tagged 38.4KD recombinant PTMA protein.



The GST tagged recombinant PTMA was loaded at 200ng/lane. The anti-PTMA clone 5A10 was used at 1 $\mu$ g/ml and the HRP conjugated goat anti-mouse IgG was used at 1:2,000 dilution.

**ELISA:** This antibody is reactive to recombinant PTMA protein.

### References:

If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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