

Product datasheet for **AM32970PU-N**

prothymosin, alpha (PTMA) Mouse Monoclonal Antibody [Clone ID: 4G2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4G2
Applications:	ELISA, WB
Recommended Dilution:	ELISA: This antibody is reactive to recombinant PTMA protein. Western blot: This antibody is reactive to 38.4KDa GST tagged recombinant PTMA protein.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	A short peptide (eeaengrdapangan) derived from PTMA was conjugated with KLH for immunization.
Specificity:	This antibody is reactive to PTMA peptide (eeaengrdapangan) and GST tagged recombinant PTMA protein.
Formulation:	0.01M PBS, pH 7.0 without preservatives State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.
Concentration:	1.0 mg/ml (after reconstitution)
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	prothymosin, alpha
Database Link:	Entrez Gene 5757 Human P06454



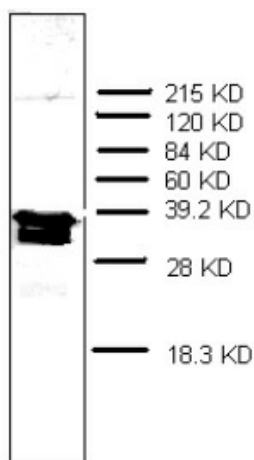
[View online »](#)

Background:

PTMA (prothymosin alpha) is the precursor of thymosin α 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.

Synonyms:

PTMA, TMSA, Thymosin alpha-1

Product images:

The GST tagged recombinant PTMA was loaded at 200 ng/lane. The anti-PTMA clone 4G2 was used at 1 ug/ml and the HRP conjugated goat anti-Mouse IgG was used at 1/2,000 dilution.