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SPECIFICATION SHEET

Important Note: **Centrifuge before opening to ensure complete recovery of vial contents.**

Catalog #: E86509M **Lot #:** 3B03811

Description: MAb to PAPP-A (proMBP)
Monoclonal Antibody to Human Pregnancy Associated Plasma Protein A (PAPP-A), proMBP Subunit

Specificity: Specific to the proMBP subunit of heterotetrameric PAPP-A (htPAPP-A; PAPP-A/proMBP). Human PAPP-A antigen purified from placental blood is a heterotetrameric complex, consisting of two PAPP-A subunits and two pro-MBP subunits). Human PAPP-A antigen purified from atherosclerotic plaques is homodimeric consisting of 2 PAPP-A subunits.

Clone: 5H9

Host Animal: Mouse. Hybridization of Sp2/0 myeloma cells with spleen cells from BALB/c mice. **Isotype:** IgG_{2b}

Source: Ascites

Immunogen: Purified human PAPP-A/proMBP heterotetrameric complex (htPAPP-A).

Format: Purified, Liquid

Purification: >90% pure (SDS-PAGE). Protein A Chromatography

Concentration: 5.9 mg/mL (Sigma Protein Assay Kit)

Affinity Constant: Not Determined

Buffer: PBS, pH 7.4

Preservative: 0.1% Sodium Azide

Applications: Detection of human htPAPP-A antigen in immunoassay and immunoprecipitation. Recognizes proMBP subunit in Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Recommended pairs for detection of htPAPP-A in sandwich immunoassay:

Capture	Detection
E86120M	E86509M
E86509M	E86120M
E86509M	E01261M

Storage: Store at 2-8°C.

Warning: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.