

## Product datasheet for **AM09255PU-N**

### PML Protein (PML) Mouse Monoclonal Antibody [Clone ID: B4C8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	B4C8
Applications:	WB
Recommended Dilution:	<b>EIA.</b> <b>Western Blot:</b> A106Kd band was observed in K562 cell extract in Western blotting experiment. The K562 cells express the high molecular weight PML/RARa chimera.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant partial human PML
Specificity:	This antibody recognizes normal PML proteins of lower molecular weight, and also recognizes the high molecular weight PML/RARa chimeric protein in promyelocytic leukemia patients.
Formulation:	0.01M PBS, pH 7.4 State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore in appropriate volume of distilled H <sub>2</sub> O to reach a final antibody concentration of 1.0 mg/ml.
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	promyelocytic leukemia



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**Database Link:** [Entrez Gene 5371 Human P29590](#)

**Background:** PML is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This phosphoprotein localizes to nuclear bodies where it functions as a transcription factor and tumor suppressor. Its expression is cell-cycle related and it regulates the p53 response to oncogenic signals.

**Synonyms:** RING finger protein 71, MYL, TRIM19

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Acute myeloid leukemia, Pathways in cancer, Ubiquitin mediated proteolysis

### Product images:



106 Kd band

A 106 Kd band was observed in Western blot

Sample: K562 Cell lysate  
First antibody: Mouse anti PML mAb Clone B4C8