



# GENEMED SYNTHESIS, INC.

## Product Specification Sheet

Cat. #MA-20001

Mouse Monoclonal Anti-Human Nucleophosmin (NPM) ascites

SIZE: 100 ul

Nucleophosmin (NPM), also named as B23 or NO38, is a major nucleolar protein which is 20 times more abundant in tumor or proliferating cells than in normal resting cells. NPM has been implicated in several distinct cellular functions, including assembly and transport of ribosomes, cytoplasmic/nuclear trafficking, regulation of DNA polymerase alpha activity, centrosome duplication and molecular chaperoning activities. The NPM is also known for its fusion with the anaplastic lymphoma kinase (ALK) receptor tyrosine kinase. The NPM portion contributes to transformation by providing a dimerization domain, which results in activation of the fused kinase.

### Source of Antigen and Antibodies

<b>Antigen</b>	Purified recombinant fragment of human NPM expressed in E. Coli.
<b>Ab Host/type</b>	Balb/c mouse. Isotype: IgG1 Ascitic fluid containing 0.05 % sodium azide.
<b>2-Ab</b>	Goat Anti-mouse IgG-HRP conjugate Cat # SA-40320 (AP, biotin, FITC conjugates also available)
<b>-ve control IgG</b>	Cat # SA-20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control

### Isotype Controls

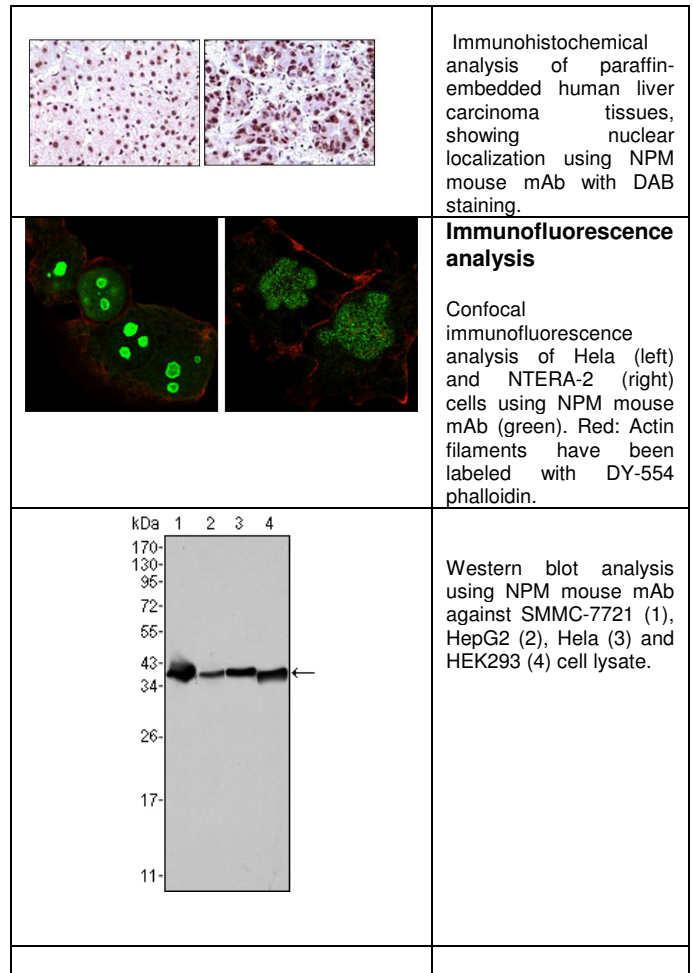
SA-20102-101 Mouse IgG1 isotype control, purified  
 SA-20102-101-APC Mouse IgG1-APC conjugate (isotype)  
 SA-20102-101-B Mouse IgG1-Biotin conjugate (isotype)  
 SA-20102-101-F Mouse IgG1-FITC conjugate (isotype)  
 SA-20102-101-FP Mouse IgG1-FITC-PE conjugate (isotype)  
 SA-20102-101-HP Mouse IgG1-HRP conjugate (isotype)  
 SA-20102-101-PC5 Mouse IgG1-PE-Cy5 conjugate (isotype)  
 SA-20102-101-PE Mouse IgG1-PE conjugate (isotype control)

### Suggested Dilutions:

Western blot	1:500– 1:2000
Immunohistochemistry (IHC):	1:200-:1:1000
Immunocytochemistry (ICC):	1:200–1:1000
Flow cytometry (FCM):	N/A
ELISA	1:5000-1:10000

**Form:** Antibodies are supplied in PBS, pH 7.5, 0.05% azide and 0.1% BSA in liquid (0.5-1 mg/ml) or lyophilized in the same buffer. Reconstitute powder in 100 ul water or PBS. Store at -20oC or below is suitable size Aliquotes.

**Shipping:** 4oC for solutions and room temp for powder.



**References:** Morris SW, et al Science 1994 Mar 4; 263(5151):1281-4. Yoneda-Kato N Oncogene 1996 Jan 18;12(2):265-75.

*\*All product are for In vitro research use only.*

### Related material available from GSI

MA-20001

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