

Human Nucleophosmin (NPM) ELISA Kit | NPM elisa kit

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CATALOG #
AAA64472

REACTIVITY
Human

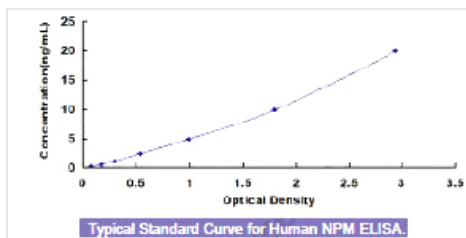
PRODUCT SYNONYMS

Nucleophosmin (NPM); Human Nucleophosmin (NPM) ELISA Kit; B23; NPM1; Nucleolar Phosphoprotein B23; Numatrin; Nucleophosmin/Nucleoplasmin Family; Member 1; Nucleolar protein NO38; NPM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NPM. No significant cross-reactivity or interference between NPM and analogues was observed.
Sequence Length	259
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.128ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NPM were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NPM were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPM elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NPM in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NPM. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPM. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NPM, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of NPM in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83641870
NCBI GeneID	4869
NCBI Accession #	NP_001032827.1
NCBI GenBank Nucleotide #	NM_001037738.2
UniProt Accession #	P06748; P08693; Q12826; Q13440; Q13441; Q14115; Q5EU94; Q5EU95; Q5EU96; A8K3N7; B5BU00; D3DQL6
Molecular Weight	28,400 Da
NCBI Official Full Name	nucleophosmin isoform 3
NCBI Official Synonym Full Names	nucleophosmin
NCBI Official Symbol	NPM1
NCBI Official Synonym Symbols	B23; NPM
NCBI Protein Information	nucleophosmin
UniProt Protein Name	Nucleophosmin
UniProt Gene Name	NPM1
UniProt Synonym Gene Names	NPM; NPM

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.