

Product datasheet for **AM32173PU-N**

NuMA (NUMA1) Mouse Monoclonal Antibody [Clone ID: A73-B/D12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	A73-B/D12
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Frozen Sections. Western Blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	A NZB mouse was immunized with live Ls 174T cells (colon carcinoma). Splenocytes were fused with mouse myeloma X63-Ag8.653 cells.
Specificity:	A73-B/D12 recognizes a cell nucleus and mitotic cell antigen and specifically poles of the mitotic spindle, adjacent microtubuli and centrosomes. With mitotic cells on Western blot a main band at 210 kDa is shown and additional weaker bands at 240 and 180 kDa.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	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:	nuclear mitotic apparatus protein 1
Database Link:	Entrez Gene 4926 Human Q14980



[View online »](#)

Background:

NuMA (Nuclear Mitotic Apparatus Protein) is involved in maintenance of nuclear structure and in the assembly of the mitotic spindle. During interphase, NuMA is present throughout the nucleus, and during mitosis, it localizes to the spindle. It associates with microtubule motors during mitosis, and plays an essential role in anchoring microtubule ends to the spindle poles. NuMA is an autoantigen, and some individuals with connective tissue disease or other autoimmune disorders have antibodies directed against the NuMA protein. Recent data suggests NuMA (240 kDa) is cleaved to a 180-200 kDa form during apoptosis.

Synonyms:

NUMA1, SP-H antigen