

Mouse Monoclonal Antibody to

N-Cadherin

clone 7E9

Order No.: **0235-100/NCAD-7E9**

Size (µg) 100

Lot No.: 0235S



03/220207F

Isotype:	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope:	Immunogen:
IgG1	human, mouse	WB	127 kDa	SH-SY5Y	cytoplasmic domain	peptide conjugated to hemocyanin

Background and Specificity:

Cadherins are a family of transmembrane glycoproteins that play a key role in calcium-dependent cell-cell adhesion. Several members of the cadherin family have been identified so far, including E- (epithelial), P- (placental), N- (neuronal), and M- (muscle) cadherin.

Mab NCAD-7E9 specifically recognizes N-cadherin at 127 kDa.

Purification:	The antibody was purified from serum-free cell culture supernatant by subsequent ultrafiltration and size exclusion chromatography.
Formulation:	lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.
Reconstitution:	Reconstitute with 1 ml H ₂ O (15 min, RT).
Stability:	For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

Avoid repeated freeze / thaw cycles.

Positive Control: #1001: Cell lysate from untreated SH-SY5Y cells

Immunoblotting: 0.5 µg/ml for HRPO/ECL detection
Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

Immunoprecipitation ND

Immunocytochemistry ND

ELISA: ND

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Related Products

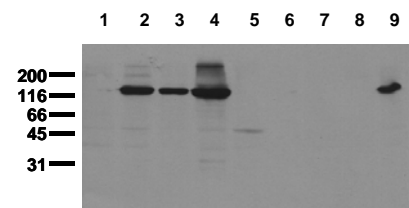
mab to human M-cadherin
 #0124-100/MCAD-21G4

mab to mouse M-cadherin
 #0106-100/MCAD-12G4

mab to E-cadherin
 #0234-100/ECAD-22F8

mab to Vimentin
 #0236-100/Vim-11H6

For monoclonal antibodies against beta-catenin, TFF3, and LEF, please refer to our website at www.nanotools.de



Detection of endogenous N - cadherin

Whole cell lysates of serum starved tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab NCAD-7E9 (0.5 µg/ml) for 1h at RT and developed by ECL (exp. time: 30 sec).

lane 1: HeLa; lane 2: HepG2; lane 3: HEK293; lane 4: SH-SY5Y; lane 5: MDCK; lane 6: PC12; lane 7: CMT 93; lane 8: Neuro 2A; lane 9: 3T3