

## Mouse Monoclonal Antibody to

### N-Cadherin

### clone 7E9

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

**Size (µg):** 100

**Lot No.:** 0235S

[www.nanotools.de](http://www.nanotools.de)

**orders & support:**

email: [info@nanotools.de](mailto:info@nanotools.de)

phone: +49-7641-455 670

fax: +49-7641-455 671

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.

<b>Purification:</b>	The antibody was purified from serum-free cell culture supernatant by subsequent ultrafiltration and size exclusion chromatography.
<b>Formulation:</b>	lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.
<b>Reconstitution:</b>	Reconstitute with 1 ml H <sub>2</sub> O (15 min, RT).
<b>Stability:</b>	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

**All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.**

#### Related Products

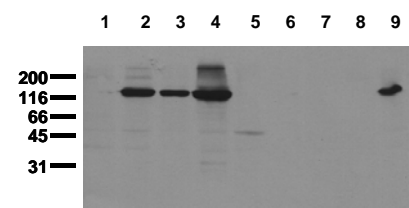
**mab to human M-cadherin**  
#0124-100/MCAD-21G4

**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](http://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