Product name:	Cadherin-N
Cat number:	MABX-80027
Conjugate:	Unconjugated
Size:	100 ug
Clone:	NC-17
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG1
Immunogen:	Affinity purified chicken heart A-CAM.
Reactivity:	Hu, Ms, Rt, Rb, Ch
Applications:	Western blot At 2µg/ml with the appropriate system to detect N-cadherin in cells and tissues. Immunohistochemistry (Frozen Section) At 4µg/ml to detect N-cadherin in formalin or acetone fixed tissues.
Purification:	Purified
Form:	Liquid
Buffer:	Mouse Ascite fluid, 1,2% sodium acetate 2 mg BSA, with 0.01 mg NaN3 as preservative
Storage:	At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and thawing.
Background:	N-cadherin(NCAD) is a member of the cadherin cell-cell adhesion receptor family that includes P-, E-, and R-cadherin and liver cell adhesion molecule(L-CAM). N- Cadherin,, also known as Cadherin-2, encodes a 907-amino acid protein that includes a 159-amino acid signal sequence. Human and mouse nucleotide sequences are 96% identical. Mouse Ncad gene consists of 16 exons dispersed over more than 200 kb of genomic DNA. Human N-cadherin gene contains 16 exons and its sequence is highly similar to both the mouse NCAD gene(including the large first and second introns) and other cadherin genes. N-cadherin is mapped to 18q11.2. Cadherin regulates dendritic spine morphogenesis.