9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-2004: Anti-N-Cadherin / Cadherin-2 / CD325 (NCAD) Monoclonal Antibody (Clone: 8C11)

Clonality :	Monoclonal
Clone Name :	8C11
Application :	FACS,IF,WB,IHC
Reactivity :	Human, Mouse
Gene :	CDH2
Gene ID :	1000
Uniprot ID :	P19022
Alternative Name :	Cadherin-2 N cadherin neuronal; Cadherin-2 type 1; Cadherin-2; Calcium dependent adhesion protein neuronal; CD325; CDH2; CDHN; CDw325; N-Cadherin; NCAD
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human N-cadherin extracellular domain

Description

Recognizes a protein of ~140kDa, identified as N-Cadherin (NCAD), also known as CD325. NCAD is a member of the Cadherin superfamily, and consists of five extracellular repeats, a transmembrane domain and a cytoplasmic domain. CD325 deficient mice die at day 10 of gestation and embryos display major heart defects and malformed neural tubes and somites. Consistent with this, CD325 has been implicated in several aspects of cardiac development including the precardiac mesoderm, establishment of left-right symmetry and cardiac looping morphogenesis. Furthermore, CD325 is normally involved in inducing cell cycle arrest and its expression is frequently deregulated in cancer cells.Studies have linked N-cadherin to cancer metastasis by showing the aggressive tumor cells had preferentially turned on N-cadherin as opposed to E- or P-cadherin.

Product Info

Amount :	20 µg / 100 µg
Content :	200µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blotting (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tis with1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes),

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

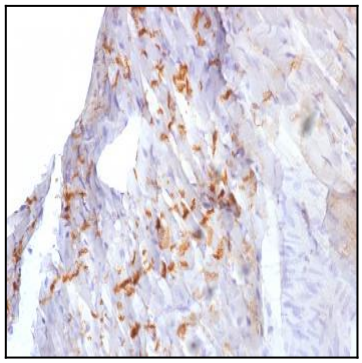


Fig. 1: Formalin-fixed, paraffin-embedded Mouse Heart stained with N-Cadherin Mouse Monoclonal Antibody (8C11).

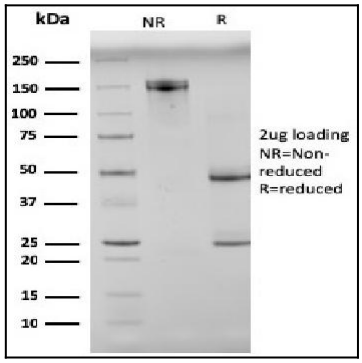


Fig. 2: SDS-PAGE Analysis Purified N-Cadherin Mouse Monoclonal Antibody (8C11). Confirmation of Integrity and Purity of Antibody.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.