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Product datasheet for TA320305

N Cadherin (CDH2) Mouse Monoclonal Antibody [Clone ID: 8C11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8C11
Applications:	FC
Recommended Dilution:	Flow, IHC, IP, WB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cadherin 2
Database Link:	NP_001783 Entrez Gene 1000 Human P19022
Background:	The 8C11 monoclonal antibody reacts with human CD325, also known as N-Cadherin. CD325 is a 130 kDa 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 dysregulated in cancer cells.
Synonyms:	CD325; CDHN; CDw325; NCAD
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs)

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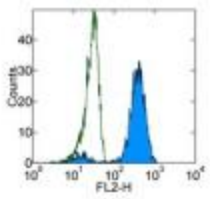
Product images:



Staining of HeLa cells with 0.25 ug of Mouse IgG1 K Isotype Control Purified (open histogram) or 0.25 ug of Anti-Human CD325 (N-Cadherin) Purified (filled histogram) followed by F (ab')2 Anti-Mouse IgG PE. Total viable cells were used for analysis.