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

10-7653: Mouse Monoclonal Antibody To N-Cadherin (Clone: 8C11)

Clonality :	Monoclonal
Clone Name :	8C11
Application :	IHC,FACS,WB
Reactivity :	Mouse,Human
Gene :	CDH2
Gene ID :	1000
Uniprot ID :	P19022
Format :	Purified
Isotype :	Mouse IgG1 kappa
Immunogen Information :	Recombinant human N-cadherin extracellular domain (exact sequence is proprietary)

Description

N-cadherin(CD325) is a 140 kD protein belongs to a transmembrane molecules that mediate calcium dependent intracellular adhesion. Its extracellular region consists of five EC domains and has one cytoplasmic domain. N-cadherin is involved in organogenesis and maintenance of organ architecture by contributing to the sorting of heterogeneous cell types and in the cell adhesion needed to form tissues. N-cadherin is expressed by stem cells, myeloblasts, endothelial cells, and fibroblasts, and also is expressed in neural and muscle tissues and some types of carcinoma cells. CD325 associates with the cytoskeleton trough catenin proteins.

Product Info

Amount :	25 µg / 100 µg
Purification :	Affinity Chromatography
Content :	0.5 mg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry: 0.5-1 µg/10^6 cells, Immunofluorescence :1-2 µg/ml, Western Blotting: 0.5-1.0 µg/ml, Immunohistology (Formalin-fixed) : 0.5-1.0 µg/ml; for 30 minutes at RT. (Optimal dilution for a specific application should be determined.)

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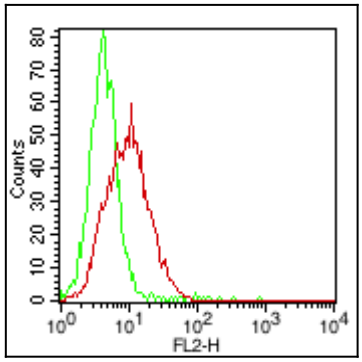

Fig. 1: Cell Surface FLOW analysis of N-Cadherin in KG1 cells using 0.5 µg of antibody (Clone: 8C11). Green represents isotype control; red represents anti-N Catherine (10-7653) antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

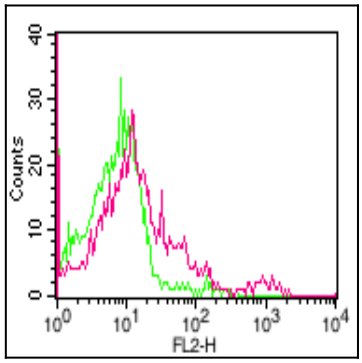

Fig. 2: Cell Surface FLOW analysis of N-Cadherin in human PBMC Monocytes gated) using 0.5 µg of antibody (Clone: 8C11). Green represents isotype control; red represents anti-N Catherine (cat no. 10-7653) antibody. Goat anti-mouse PE conjugate was used as secondary antibody.