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

30-2703: Anti-CD325 Purified

Clone Name :	8C11
Application :	IP,ICC,IHC,FACS,WB
Reactivity :	Mouse,Human
Gene ID :	1000
Uniprot ID :	P19022
Format :	Purified
Alternative Name :	N-Cadherin, cadherin 2, CDHM, CDH2
Isotype :	Mouse IgG1 kappa
Immunogen Information :	bacterially expressed extracellular domain of human CD325

Description

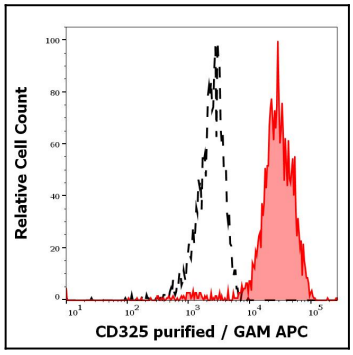
Specificity : The mouse monoclonal antibody 8C11 recognizes an extracellular epitope of CD325 (N-cadherin), a transmembrane protein associated with actin cytoskeleton system, which is expressed mainly by neurons, osteoblasts, endothelial cells, and stem cells. CD325 (N-cadherin) is a type I transmembrane protein, which forms a complex with catenins, that is linked to the actin cytoskeleton. This complex is important in synapses and for functional plasticity of neurons, and is also essential for embryonic development. Decreased CD325 cleavage caused by mutations in presenilin 1 is associated with Alzheimer´s disease. Besides nervous system, CD325 is expressed on the surface of malignant T cells, and increases their adhesion to epithelia, as well as their ability to invade and metastasize to inflammatory sites.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	1 mg/ml Formulation : Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml.



Separation of HeLa cells stained using anti-CD325 (8C11) purified antibody (concentration in sample 3,3 Î¼g/ml, GAM APC, red-filled) from HeLa cells stained using mouse IgG1 isotype control (MOPC-21) antibody (concentration in sample 3,3 Î¼g/ml, same as CD325 purified antibody concentration, GAM APC, black-dashed) in flow cytometry analysis (surface staining).