

## 30-2703: Anti-CD325 Purified

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

### Description

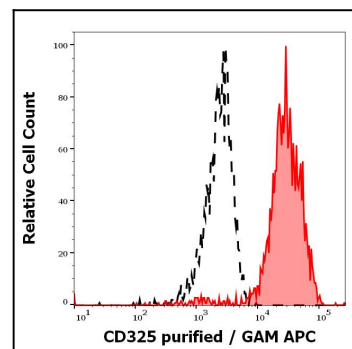
**Specificity :** The mouse monoclonal antibody 8C11 recognizes an extracellular epitope of CD325 (N-cadherin), a transmembrane protein associated with actin cytoskeleton system, which is expressed mainly by neurons, osteoblasts, endothelial cells, and stem cells. CD325 (N-cadherin) is a type I transmembrane 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

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography.
<b>Content :</b>	1 mg/ml Formulation : Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	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 1/4g/ml, GAM APC, red-filled) from HeLa cells stained using mouse IgG1 isotype control (MOPC-21) antibody (concentration in sample 3,3 1/4g/ml, same as CD325 purified antibody concentration, GAM APC, black-dashed) in flow cytometry analysis (surface staining).