

Mouse Monoclonal Antibody to NRCAM

Catalogue Number	sAP-0795
Target Molecule	<p>Name: NRCAM</p> <p>Aliases: NRCAM</p> <p>MW: 144kDa</p> <p>Entrez Gene ID: 4897</p>
Description	Cell adhesion molecules (CAMs) are members of the immunoglobulin superfamily. This gene encodes a neuronal cell adhesion molecule with multiple immunoglobulin-like C2-type domains and fibronectin type-III domains. This ankyrin-binding protein is involved in neuron-neuron adhesion and promotes directional signaling during axonal cone growth. This gene is also expressed in non-neural tissues and may play a general role in cell-cell communication via signaling from its intracellular domain to the actin cytoskeleton during directional cell migration. Allelic variants of this gene have been associated with autism and addiction vulnerability. Alternative splicing results in multiple transcript variants encoding different isoforms. ;
Immunogen	Purified recombinant fragment of human NRCAM (AA: 1192-1255) expressed in E. Coli.
Reactive Species	Human;
Clone	MM7D8C5;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 50
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Psychiatry Clin Neurosci. 2009 Feb;63(1):123-4. ; 2. Int J Neuropsychopharmacol. 2009 Feb;12(1):1-10. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**