

Mouse Anti-NCAM1 Monoclonal Antibody

CAB-2017MH Mouse(NCAM1)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Mouse Anti-NCAM1 Monoclonal Antibody
Antigen Description	Neural Cell Adhesion Molecule (NCAM, also the cluster of differentiation CD56) is a homophilic binding glycoprotein expressed on the surface of neurons, glia, skeletal muscle and natural killer cells. NCAM has been implicated as having a role in cell-cell adhesion, neurite outgrowth, synaptic plasticity, and learning and memory.
specificity	Reacts with a 180kDa isoform of CD56 (NCAM) characteristic for leukocytes. CD56 is a single transmembrane glycoprotein (immunoglobulin supergene family); the molecular weights of different isoforms ranging from 135 to 220kDa. Reacts with human and non-human primates.
Target	NCAM1
Immunogen	KG-1 human acute myelogenous leukemia cell line
Host	Mouse
Isotype	IgG2a
Source	Culture
Species	Human
Clone	NEM-189
Affinity Constant	Not determined
Purification	The protein A purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. Product is free of unconjugated biotin.
conjugation	N/A
Applications	Flow Cyt

PACKAGING

Format	Biotin, Liquid
Concentration	Lot specificLot specific
Buffer	PBS, pH 7.4
Storage	Short term store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.
Preservative	15mM Sodium azide
Warning	This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

ANTIGEN GENE INFORMATION

Gene Name	NCAM1 neural cell adhesion molecule 1 [Homo sapiens]
Official Symbol	NCAM1

Synonyms	NCAM1; neural cell adhesion molecule 1; CD56; NCAM; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal 5.1H11; MSK39;
GeneID	4684
mRNA Refseq	NM_000615
Protein Refseq	NP_000606
MIM	116930
UniProt ID	P13591
Chromosome Location	11q23.2
Pathway	Axon guidance, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Developmental Biology, organism-specific biosystem; FGF signaling pathway, organism-specific biosystem; Immune System, organism-specific biosystem;