CD56 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD56, Monoclonal Antibody
Full Product Name	CD56 (Neural Cell Adhesion Molecule 1, N-CAM-1, NCAM-1, NCAM1, NCAM) (MaxLight 750)
Product Gene Name	anti-CD56 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3G12
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human NCAM1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	Partial recombinant corresponding to aa611-710 from human NCAM1 (AAH47244) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EPSAPKLEGQMGEDGNSIKVNLIKQDDGGSPIRHYLVRYRALSSEWKPEIRLPSGSDHVMLKSLDWNAEYEVYVVAENQQGKSKAAHFVFRTSAQPTAI
Conjugate	MaxLight750
Product Categories/Family for anti-CD56 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD56 antibody	FLISA, Western Blot (WB)
Application Notes for anti-CD56 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CD56 antibody	This protein is a cell adhesion molecule involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, etc.
Other Notes	Small volumes of anti-CD56 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for CD56 purchase	MBS6232029 is an antibody targeting CD56. Also known as CD56 (Neural Cell Adhesion Molecule 1, N-CAM-1, NCAM-1, NCAM1, NCAM) (MaxLight 750). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD56. It may not necessarily be applicable to this product.

NCBI GI #	28703937
NCBI GeneID	4684
NCBI Accession #	BC047244
NCBI Related Accession #	AAH47244
UniProt Related Accession #	P13591
NCBI Official Full Name	Homo sapiens neural cell adhesion molecule 1, mRNA
NCBI Official Synonym Full Names	neural cell adhesion molecule 1
NCBI Official Symbol	NCAM1
NCBI Official Synonym Symbols	CD56; NCAM; MSK39
NCBI Protein Information	neural cell adhesion molecule 1
NCBI Summary for CD56	This gene encodes a cell adhesion protein which is a member of the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. The encoded protein has been shown to be involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]
Research Articles on CD56	**1.** circulating CD16+CD56+ NK cells in lymphocytes are negatively correlated with the occurrence of colorectal cancer
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