SMN2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SMN2, Monoclonal Antibody
Full Product Name	SMN2 (Survival of Motor Neuron 2, Centromeric, BCD541, C-BCD541, FLJ76644, MGC20996, MGC5208, SMNC) (MaxLight 650)
Product Gene Name	anti-SMN2 antibody
Product Synonym Names	Survival of Motor Neuron 2; Centromeric; BCD541; C-BCD541; FLJ76644; MGC20996; MGC5208; SMNC
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1A3-2B9
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified
Specificity	Recognizes SMN2.
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 amo
Immunogen	SMN2 (AAH00908, 1aa-282aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAMSSGGSGGGVPEQEDSVLFRRGTGQSDDSDIWDDTALIKAYDKAVASFKHALKNGDICETSGKPKTTPKRKPAKKNKSQKKNTAASLQQWKVGDKC
Conjugate	MaxLight650
Product Categories/Family for anti-SMN2 antibody	Antibodies; RNA Processing
Applications Tested/Suitable for anti-SMN2 antibody	Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-SMN2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SMN2 antibody	This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements whi same protein. While mutations in the telomeric copy are associated with spinal muscular atrophy, mutations in this gene, the centromeric copy, do not l telomeric and centromeric copies are designated historically as exon 1, 2a, 2b, and 3-8. It is thought that gene conversion events may involve the two g concentrations of small ribonucleoproteins (snRNPs). This protein forms heteromeric complexes with proteins such as SIP1 and GEMIN4, and also inte
Other Notes	Small volumes of anti-SMN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess
Searchable Terms for SMN2 purchase	MBS6229983 is an antibody targeting SMN2. Also known as SMN2 (Survival of Motor Neuron 2, Centromeric, BCD541, C-BCD541, FLJ76644, MGC2

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMN2. It may not necessarily be applicable to this product.

NCBI GI #	12654181
NCBI GeneID	6607
NCBI Accession #	AAH00908
UniProt Related Accession #	Q16637
NCBI Official Full Name	SMN2 protein
NCBI Official Synonym Full Names	survival of motor neuron 2, centromeric
NCBI Official Symbol	SMN2
NCBI Official Synonym Symbols	SMNC; BCD541; GEMIN1; TDRD16B; C-BCD541
NCBI Protein Information	survival motor neuron protein
Research Articles on SMN2	**1.** No difference was found in the carrier frequency of spinal muscular atrophy-related mutations in SMN1 and SMN2 between the two genders in Yunnan region, which was in keeping to an autosomal recessive inheritance pattern
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