

Product datasheet for **AM10221PU-N**

SMN1 Mouse Monoclonal Antibody [Clone ID: SCB3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SCB3
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	ELISA: 1/1000-1/5000. Western Blot: 1/500-1/2000. Immunoprecipitation: 1/50-1/200. Immunohistochemistry: 1/500-1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	GST-SMN fusion protein
Specificity:	Reacts with Human 38-40 kDa SMN protein in the various Human foetal tissues.
Formulation:	PBS State: Purified State: Lyophilized purified antibody Preservative: 0.02% Sodium Azide
Reconstitution Method:	Restore in distilled water
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	survival of motor neuron 1, telomeric
Database Link:	Entrez Gene 6606 Human Q16637



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Background:

This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. The telomeric and centromeric copies of this gene are nearly identical and encode the same protein.

Synonyms:

SMN, SMNT, SMNC, Survival motor neuron protein, Component of gems 1, Gemin1, Gemin-1