

## Mouse Anti-DNA-RNA Hybrid (S9.6) mAb

<b>Catalog No.</b>	RGK60001A	<b>Quantity:</b>	100 µg
	RGK60001B		1.0 mg

**Description:** DNA-RNA hybrids are a natural occurrence within eukaryotic cells and their level are high at sites of high transcriptional activity. They are non-canonical nucleic acid structures with transcriptional regulatory functions. Their presence is reported to predispose a locus to chromosomal breakage. A locus forming an DNA:RNA creates a double-stranded A/B intermediate conformation, with a second target for single-stranded nucleic acid binding proteins on the complementary, displaced DNA strand. They are shown to be resistant to the activity of DNA methyltransferases. The formation of DNA:RNA hybrids has been associated with a number of neurological diseases. Mutations in the DNA:RNA helicase senataxin (SETX) are implicated in the dominant juvenile form of amyotrophic lateral sclerosis type 4 and a recessive form of ataxia oculomotor apraxia type 2.

**Concentration:** 1.0 mg/ml

**Isotype:** Mouse IgG2a kappa

**Formulation:** Sterile-filtered 0.01M PBS, pH 7.4

**Clone:** S9.6

**Purity:** > 95% by SDS-PAGE.

**Purification:** Protein A/G affinity chromatography from cell culture supernatant

**Applications:** CHIP, ChIP-seq, DB, EMSA, FISH, ICC, IP, SPR, IF

**Storage & Stability:** Store unopened at -20°C to -80°C for up to 1 year. It is recommended to prepare aliquots and store at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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