

Complementary DNA Synthesized from Mouse MicroRNA (Unexposed to *Schistosoma* Species)

Catalog No. NR-48855

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Product Description: Complementary DNA (cDNA) was synthesized from microRNA (miRNA) extracted from pooled plasma of normal mice that had not been infected with schistosomes.

Lot^{1,2}: 62854887

Manufacturing Date: 12JUL2014

TEST	SPECIFICATIONS	RESULTS
Concentration	Report results	1.0 µg in 20 µL per vial (0.05 µg/µL)
OD ₂₆₀ /OD ₂₈₀ Ratio	1.70 to 2.00	1.81
Quantification of miRNA by RT-PCR ^{3,4}	Mouse miRNA-16 detected	Mouse miRNA-16 detected (Figure 1)

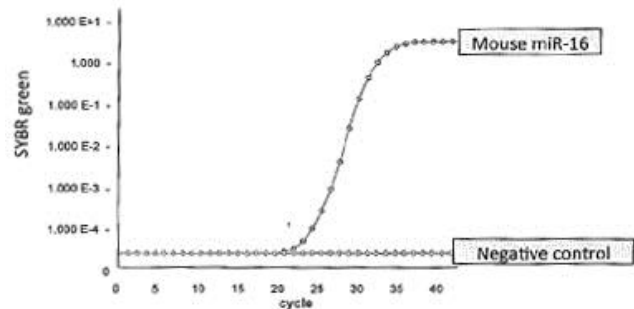
¹QC testing was performed by the Biomedical Research Institute, Rockville, MD (NIH-NIAID Contract HHSN2722010000051)

²miRNA from pooled plasma from uninfected mice was purified by NucleoSpin[®] miRNA-Plasma Kit (Clontech). cDNA was synthesized from the miRNA, using Mir-X[™] miRNA First Strand Synthesis (Clontech), according to the manufacturer's instructions.

³Real time PCR was performed using SYBR-qRT-PCR (Clontech) according to the manufacturer's instructions.

⁴Primers utilized for real time PCR are described in Hoy, A. M., et al. "Parasite-Derived MicroRNAs in Host Serum as Novel Biomarkers of Helminth Infection" *PLoS Negl. Trop. Dis.* 8 (2014): e2701. PubMed: 24587461.

Figure 1: Detection of Mouse miRNA-16 in Pooled Mouse Plasma from Uninfected Normal Mice.



Date: 03 FEB 2015

Signature: 
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