



Double stranded RNA control Poly(I:C)

nordicmubio.com/products/double-stranded-rna-control-polyic/10090100

Catalog number: **10090100**

Product Type	Control Lysate
Units	50 µg
Application	Dot blot ELISA

Background

The low molecular weight Poly(I:C) dsRNA sequence is intended to be used as a positive control in double-stranded (ds)RNA detection. The sequence does not contain any viral or potentially transforming elements. Positive control for dsRNA detection by anti dsRNA monoclonal J2, J5, K1 and K2 antibodies. Caution: The Poly(I:C) dsRNA positive control, to be combined with our monoclonal anti dsRNA antibodies J2, J5, K1 and K2 in both the direct AN-ELISA and sandwich ELISA, is not intended to be used as a quantitative standard for other dsRNA preparations. The anti dsRNA antibodies may exhibit a different degree of reactivity with different dsRNAs obtained from natural sources. It is therefore only intended to be used as a positive control to see if the ELISA has been executed correctly and that the test shows a linear relationship between the amount of dsRNA and the read out, for example the OD450.

Synonyms: Double stranded RNA (dsRNA) control/Poly(I):Poly(C)

Source

In vitro synthesized RNA (heteropolymer consisting of unmodified ribonucleotides)

Product

Each vial contains 50 µl of a 1 mg/ml Poy(I:C) solution in RNase/DNase-free STE Buffer (0.1 M NaCl, 1 mM EDTA, 50 mM Tris-HCl, pH 7.0). Low molecular weight polyinosine-polycytidylic acid (i.e. poly(I:C)) is a synthetic analog of double-stranded RNA (dsRNA) and is comprised of short strands of inosine poly(I) homopolymer annealed to strands of cytidine poly(C) homopolymer. The average size of Poly(I:C) LMW is 0.2 kb to 1 kb.

Purity: Absorbance spectrum

Applications

Double stranded RNA control Poly(I:C) is suitable for use as a size standard in dsRNA and RNAi analysis on both non-denaturing polyacrylamide and agarose gels. We suggest to use it as a homogenous, well-characterized positive control for different dsRNA detection methods, e.g. for ELISA and dot-blot. The optimum working dilution of the Poly(I:C) dsRNA control for any specific application should be established by titration.

Functional Analysis: Direct ELISA and Sandwich ELISA (relative activity to reference antigen)

Storage

Store at -20 °C to -80 °C upon arrival, avoid freeze/thaw cycles, store in aliquots.

Product Stability: Shelf Life: 24 months

Shipping Conditions: Ship on blue ice.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Exalpha Biologicals accepts no liability for any inaccuracies or omissions in this information.