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Product Datasheet

Double-stranded RNA (dsRNA) ELISA kit (J2 based), Clone: [J2/K2], Mouse NMB-10613002

Article Name	Double-stranded RNA (dsRNA) ELISA kit (J2 based), Clone: [J2/K2], Mouse
Biozol Catalog Number	NMB-10613002
Supplier Catalog Number	10613002
Alternative Catalog Number	NMB-10613002
Manufacturer	NordicMubio
Host	Mouse
Category	Kits/Assays
Application	ELISA
Product Description	Based on the use of two double-stranded RNA (dsRNA)-specific monoclonal antibodies the dsRNA Detection Kit allows sensitive and selective detection of dsRNA molecules (larger than 30-40 bp), independent of their nucleotide composition and sequence. T...
Clonality	Monoclonal
Clone Designation	[J2/K2]
Isotype	IgG2a kappa/IgM kappa
Buffer	Double-stranded RNA (dsRNA) ELISA kit containing the following reagents for 200 tests (2x96 wells): 1 vial of coating antibody (store at -20C) 1 vial of Poly(I:C) dsRNA as positive control (store at -20C) 1 vial of dsRNA-specific detecting antibody (in

Source	The two dsRNA antibodies used in this kit were produced as follows: Female DBA/2 mice were injected intraperitoneally with a mixture of 50 ug L-dsRNA and 75 ug methylated bovine serum albumin, emulsified in complete Freund's adjuvant. After several boosts
Application Notes	We recommend using the kit to detect viral dsRNAs or large natural or synthetic dsRNAs of non-viral origin in nucleic acid extracts, as well as to detect the presence of undesired dsRNA molecules in artificially synthesized (m)RNA preparations. By using serial dilutions of the Poly(I:C) dsRNA standard (included in the kit) for calibration, quantitative estimates can also be made. For the exact detection protocol we refer to the kit manual that can be downloaded from our website. Caution: The Poly(I:C) dsRNA positive control included in this sandwich ELISA kit is not intended to be used as a quantitative standard for other dsRNA preparations. The anti dsRNA antibodies J2 and/or K2 used in this kit 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 the OD450.