For research purposes only, not for human use

Product Data Sheet

hsa-miR-4751 miRNA Antagomir

Catalog #	Source	Reactivity	Applications
CIJ1621	Synthetic	H	

Description Synthetic miRNA Antagomir is used to inhibit the activity of target hsa-miR-4751 mRNA.

Specificity Antagomir is chemically-modified single-strand miRNA inhibitor functioning by blocking miRNA regulation of target gene expression efficiently. They are synthesized to reduce the ability of endogenous miRNAs to silence target mRNA transcripts. They can down-regulate the corresponding endogenous miRNAs. Our miRNA antagomir is single-strand miRNA inhibitor carrying the chemically modifications functioning by blocking miRNA regulation of target gene expression efficiently.

Form Lyophilized powder

Gene Symbol hsa-miR-4751

Accession No. MIMAT0019888

Components This synthetic miRNA is based on the mature miRNA sequence. The strand of the antagomir has 2 phosphorothioates at the 5' end, 4 phosphorothioates, 1 cholesterol group at the 3' end, and full-length nucleotide 2'-methoxy modification. Stability of miRNA antagomir appears to be significantly higher than miRNA inhibitors. It exhibits enhanced cellular uptake, stability and regulatory activity and is recommended for miRNA functional studies in vitro and in vivo.

Directions for Use Briefly centrifuge tubes containing miRNA antagomir to ensure that the miRNA pellet is located at the bottom of the tube. Dissolve miRNA antagomir to a convenient stock concentration using the recommended volume of DEPC H2O (or RNase-free water). For example: dissolve 10 nmol miRNA antagomir to 20 µM using

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

500 µl DEPC H2O (or RNase-free water). Pipette the solution up and down 3-5 times (or vortex briefly). Briefly centrifuge tubes containing miRNA antagomir to ensure that the solution is collected at the bottom of the tube. Aliquot the miRNA antagomir into small volumes and store at ≤ -20°C. miRNA antagomir is stable (for 6 months under the specified storage condition). For best results, use in 3 months and limit freeze-thaw events for each tube no more than five times.

Storage/Stability Shipped at 4 °C. Store at -20 °C for one year. Avoid freeze-thaw cycles after reconstitution.

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