

# Product Data Sheet

## mmu-miR-451b miRNA Inhibitor

Catalog #	Source	Reactivity	Applications
CIM1243	Synthetic	M	
<b>Description</b>	Synthetic miRNA inhibitors are used to inhibit mmu-miR-451b by transfection.		
<b>Specificity</b>	miRNA Inhibitors are chemically synthesized, complementary, antisense single-stranded oligonucleotides to their target, endogenous mature miRNA. It effectively prevents the target miRNA to bind to normal cellular binding sites. Transfection of inhibitors followed by downstream gene expression analysis or phenotypic analysis, is performed to elucidate the targets and roles of particular miRNAs.		
<b>Form</b>	Lyophilized powder		
<b>Gene Symbol</b>	mmu-miR-451b		
<b>Accession No.</b>	MIMAT0025178		
<b>Components</b>	This synthetic miRNA is based on the mature miRNA sequence. It does not contain the full precursor miRNA stem-loop.		
<b>Directions for Use</b>	We recommend re-suspending the lyophilized synthetic miRNA using DNase and RNase-free ddH <sub>2</sub> O. To make a 100 uM stock, dissolve the lyophilized powder using 100 ul of ddH <sub>2</sub> O.		
<b>Storage/Stability</b>	Shipped at 4 °C. Store at -20 °C for one year. Avoid freeze-thaw cycles after reconstitution.		

**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

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