Capital Biosciences
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DATASHEET

Lenti-mKate2-Neo virus

Cat. VSL-0033

Titer:	~10^6 IU/ml
Medium:	DMEM, 10% FBS
Volume:	10 ml (10x1ml)
Selection marker:	Neomycin (G418)
Storage:	-70°C
How to use:	Thaw the recombinant lentivirus supernatant in a 37°C water bath; remove it from the bath immediately when thawed.

Description:

Ready-to-use virus expressing far-red fluorescent protein mKate2 can be used as a control in experiments with lentivirus transductions of target cells or for the generation of stable cell lines.

mKate2 is the next generation of monomeric far-red fluorescent protein TagFP635 (mKate) [Shcherbo et al., 2007; Shcherbo et al., 2009]. Lenti-Mkate2 virus is VSV-G pseudotyped lentivirus that can be used as a control for infection of target cells. It was generated by co-transfection of 293T packaging cells with pLVmKate2 plasmid (Fig.1) and Packing Mix. Virus-containing supernatant has been harvested 48-72 hours post-transfection, centrifuged at 3000rpm for 15 minutes at +4°C to pellet debris, and then filtered through 0.45µm PVDF syringe.

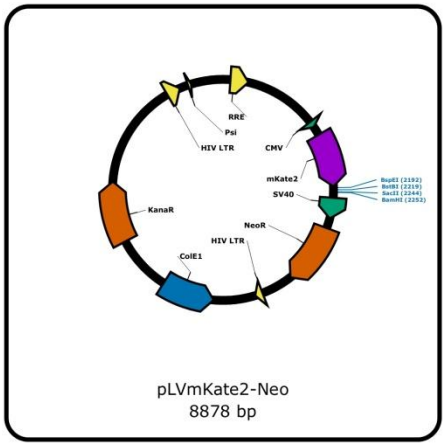

Fig.1. Map of pLVmKate2-Neo vector

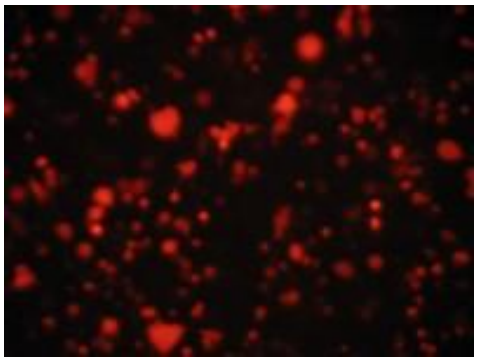

Fig.2. 293 cells infected with Lenti-mKate2 virus

For research use only

9700 Great Seneca Hwy, Suite 247
Rockville, MD 20850
Tel: 800-475-2812; Fax: 240-363-0739