

Illuminating the Future of Extracellular Vesicle Research and Analysis

EV-Luminate™ is an innovative product designed to revolutionize the field of Extracellular Vesicles (EVs) research and analysis. With its advanced technology and unique approach, EV-Luminate™ enables the precise quantification of subpopulation EV secretion and delivery by harnessing a luminescent signal. This cutting-edge product allows researchers and scientists to shed light on the dynamics and magnitude of EV release, transfer and subpopulation EV function, opening new avenues for understanding cellular communication and therapeutic applications, including studies on the biodistribution of EVs *in vivo*.

Highlights

- **Accurate Luminous Quantification of EV Subpopulation at Remarkable Low Concentrations**
- **Sensitivity and Reliability Empowered by Nano Luciferase Technology**
- **Easy to Use Stable Lenti-based System**
- **Enhanced Visibility into EV Subpopulation Processes and Functions**
- **Versatile Applications including High-Content Screening (HCS)**

Bright up your EV research with EV-Luminate™

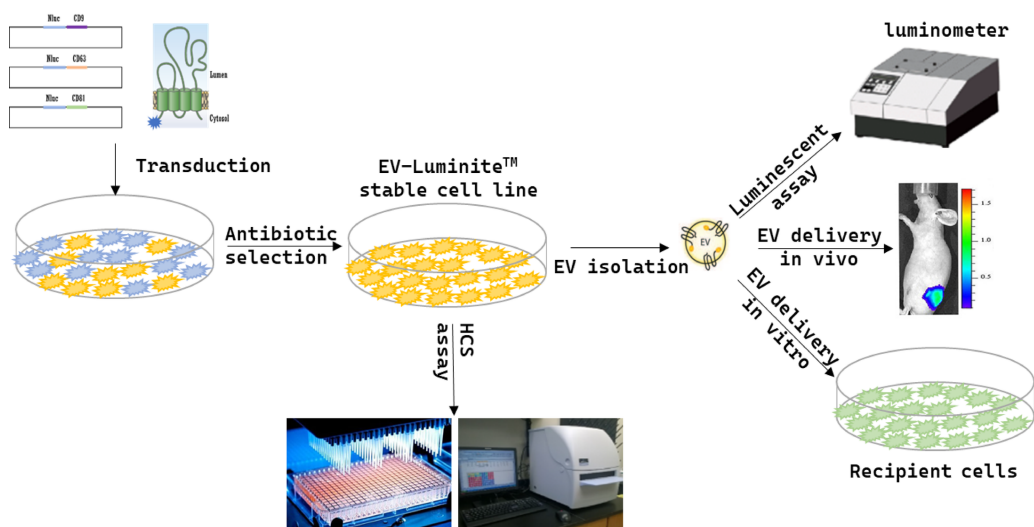


Figure 1. Scheme of how EV-Luminate™ can help with your EV research. Transduce your target cells with EV-Luminate™ lentivirus to generate EV-Luminate™ stable cell line. EV released from EV-Luminate™ stable cell line can be qualified by nano luciferase assay, can be delivered to recipient cells to assess EV delivery/uptaken or can be delivered to recipient cells to assess EV delivery/uptaken or can be delivered in mice to study EV dynamic biodistribution. The EV-Luminate™ stable cell line can be used for any customized high-content screening, such as screening for compound that can increase EV secretion, *et al.*



EV-LUMINITE™

New!
2023



EV-Luminite™ constructs

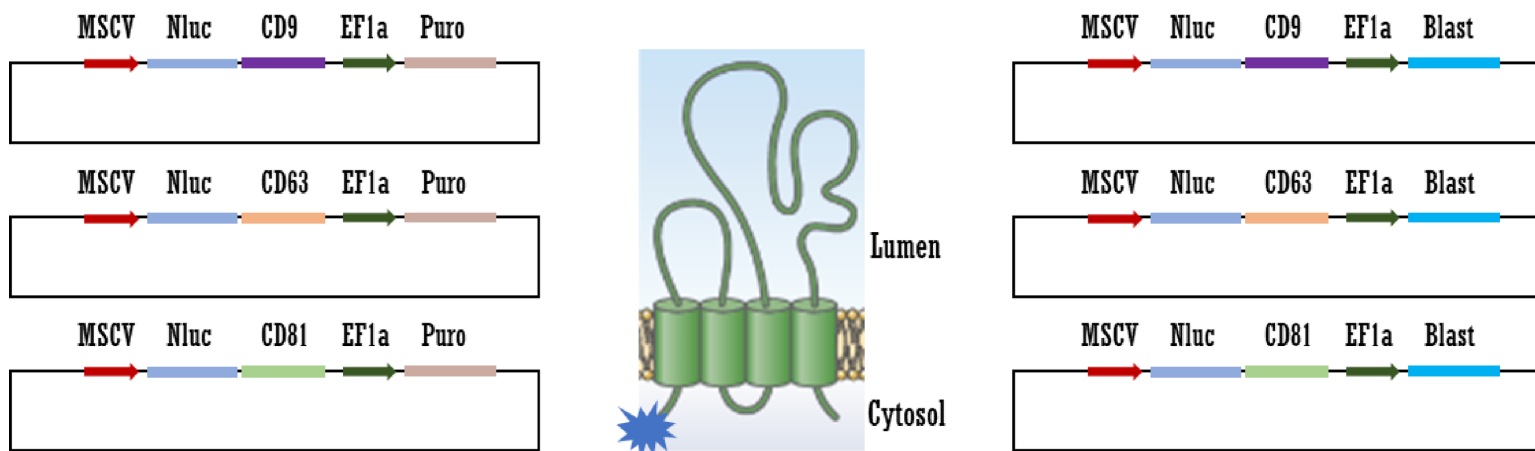


Figure 2. Nluc enzyme was cloned into CD9, CD63, or CD81 encoding lenti construct at the N-terminal position with either puromycin or blasticidin resistant. Middle: Scheme of the topology of a tetraspanin (CD9, CD63, or CD81) with N-terminal Nluc-tag.

EV-Luminite™ stable cell lines release EV with robust Nano Luciferase activity

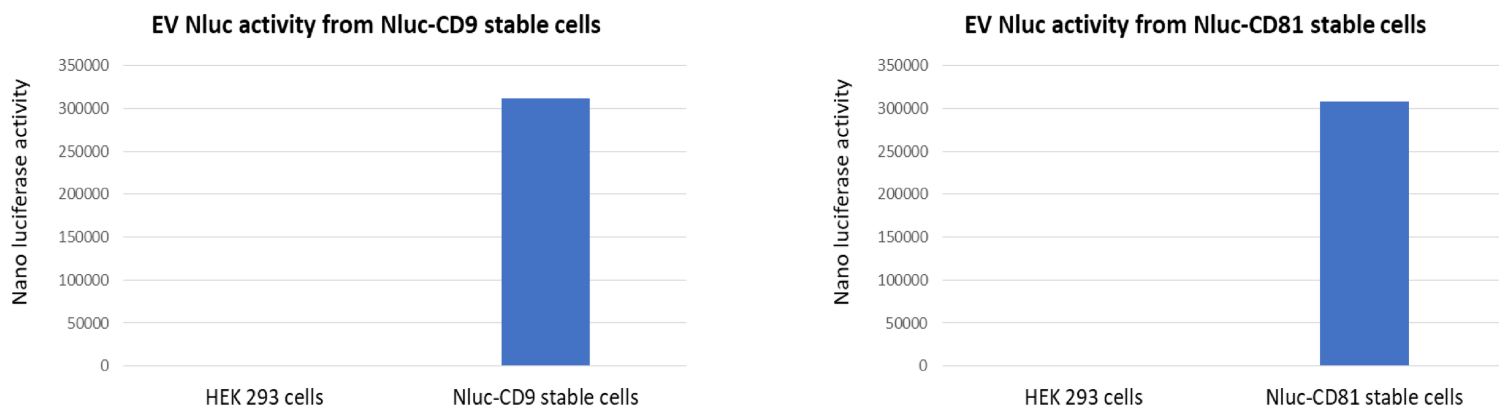


Figure 3. EV were isolated from Nluc-CD9 and Nluc-CD81 EV-Luminite™ Stable cell lines using ExoQuick-TC. Nano luciferase activity was measured using Nano-Glo Luciferase Assay and normalized by EV protein amount.

TRY FOR YOURSELF!
www.stratech.co.uk/sbi

