

ExoFLARE™

Durable exosome fluorescence

For long-term tracking of exosomes

- Significantly superior to fluorescent proteins
- Differentiate between donor and recipient cell exosomes
- Low background levels
- Non-toxic

ExoFLARE™



Inactive Fluorogen



ExoFLARE™- Fluorogen



ExoFLAREs™ are protein tags that activate fluorescence in specialized target dyes. Fluorescence is only observed when an ExoFLARE™ and dye are combined.

FLourescence-Activating-Response Element

Protein tags that modulate the fluorescence of pro-fluorophores

Use ExoFLAREs™ to:

- Image individual exosomes
- Track long term movement of exosomes
- Detect uptake of exosomes in non-transfected recipient cells

ExoFLAREs™ available:

- CD9
- CD63
- CD81

Fluorophores available:

- Cell permeable
- Cell impermeable
- pH sensitive

Exosome Innovation from Cell Guidance Systems

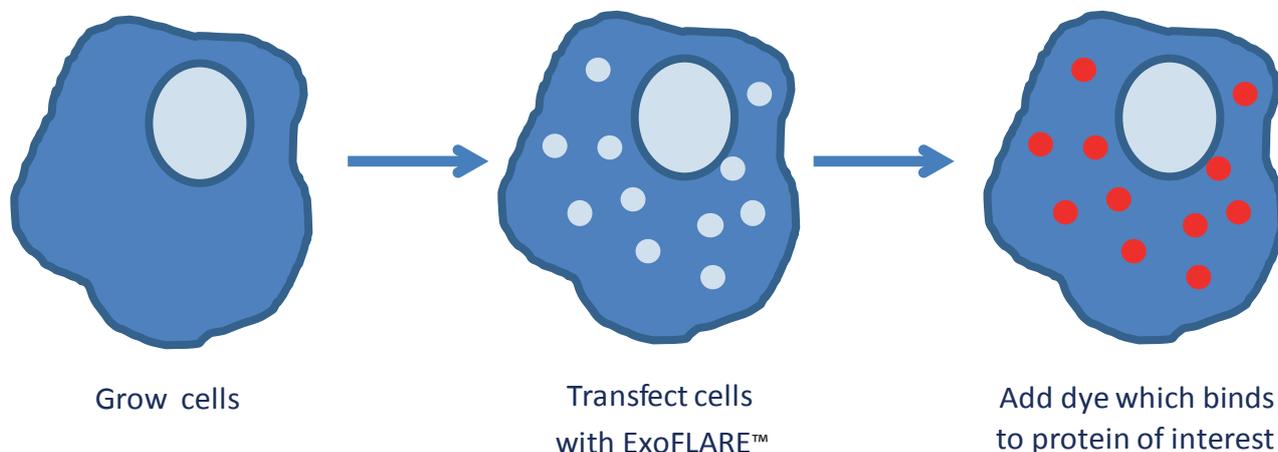


Figure 1. An ExoFLARE™ can be transiently or stably transfected into cells. An ExoFLARE™ by itself does not fluoresce. Fluorescence is achieved by binding of the ExoFLARE™ to a specialized dye which only fluoresces when bound by the ExoFLARE™.

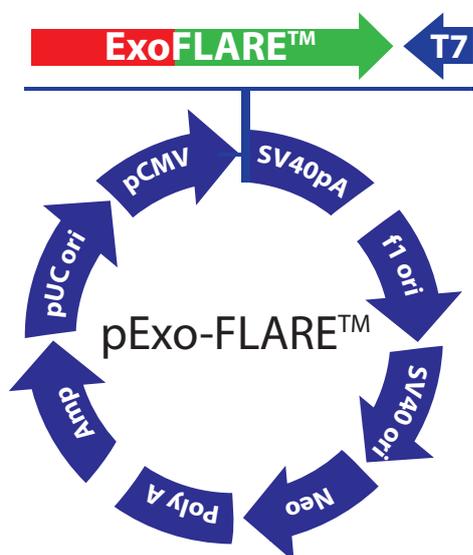


Figure 2. Full length genes for exosome marker proteins (CD9, CD63 and CD81) fused with FLARE™.

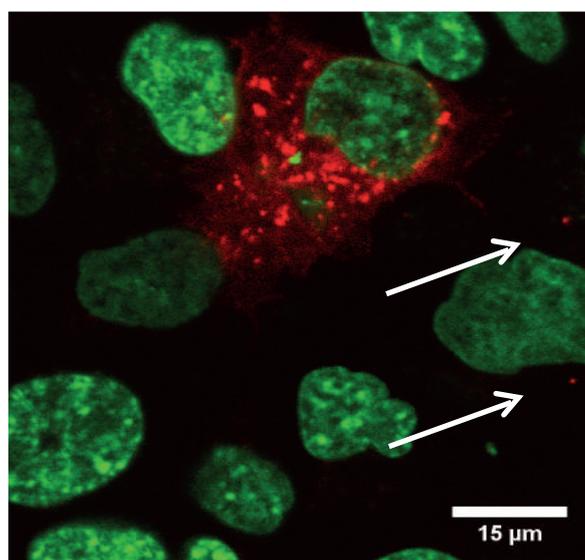


Figure 3. Transient transfection of DU145N cells with CD81 ExoFLARE™. A transfected cell is heavily labelled (red). Fluorescence can also be detected in an adjacent recipient cell (arrows). Nuclear staining (green) with Hoechst.

For more data and product videos, please visit our website



Ordering Information

Product	Amount	Cat No
ExoFLARE™ CD9 Expression construct	20 µg	EX301
ExoFLARE™ CD63 Expression construct	20 µg	EX302
ExoFLARE™ CD81 Expression construct	20 µg	EX303
EF Red xc (cell impermeable dye)	100 reactions*	EX401-100
EF Red xc (cell impermeable dye)	1000 reactions	EX401-1000
EF Red s (cell permeable dye)	100 reactions	EX402-100
EF Red s (cell permeable dye)	1000 reactions	EX402-1000
EF Red pH (pH sensitive dye)	100 reactions	EX403-100
EF Red pH (pH sensitive dye)	1000 reactions	EX403-1000

*sufficient for a 96-well plate