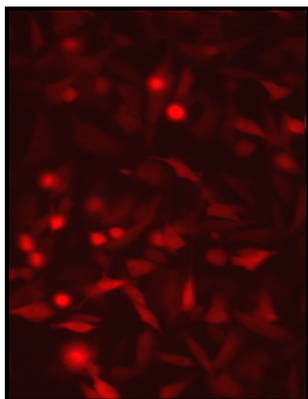


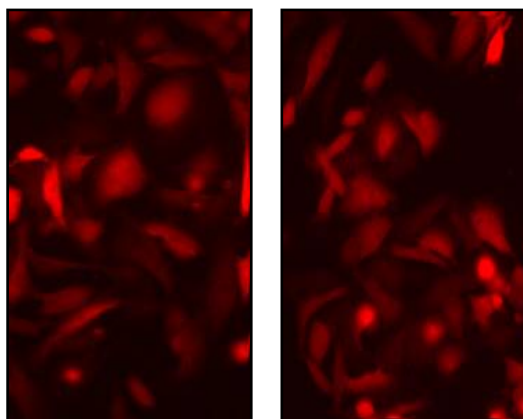
VAMPIRO™ CELL LINES

RED FLUORESCENT MDA-MB-231 CELLS



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| Product Name: | VAMPIRO™ – MDA-MB-231 Cell line |
| Catalog Number: | P20317 |
| Cell Line: | MDA-MB-231 |
| Fluorescent Protein: | turboFP602 |
| Resistance: | Puromycin |
| Format: | > 3x10 ⁶ cells in Cryopreserved vials |
| Storage: | Liquid Nitrogen |

A novel red fluorescent MDA-MB-231 cell line has been developed through stable transfection with TurboFP602 protein. This cell line expresses red fluorescent protein as a free cytoplasmatic protein.



Turbo FP602 MDA-MB-231 cell line is stably-transfected and it is ready to use in cell-based assay applications. This stably transfected cell line provides consistent levels of expression, which helps to simplify the interpretation of the results. This cell line is intended to be used as an “in vitro” model for research studies.

About MDA-MB-231

The MDA-MB-231 breast adenocarcinoma cell line was obtained from a Caucasian female, 51 years of age. With epithelial-like morphology, the MDA-MB-231 breast cancer cells appear phenotypically as spindle shaped cells.

In vitro, the MDA-MB-231 cell line grows in monolayer and it has an invasive phenotype. This cell line has abundant activity in both the Boyden chamber chemoinvasion and chemotaxis assay. The MDA-MB-231 cell line is also able to grow on agarose, an indicator of transformation and tumorigenicity, and displays a relatively high colony forming efficiency. In vivo, MDA-MB-231 cells form differentiated adenocarcinoma (Grade III) in nude mice.

Use Restriction This product contains a proprietary nucleic acid coding for a proprietary fluorescent protein intended to be used for research purposes only. No rights are conveyed to modify or clone the gene encoding fluorescent protein contained in this product, or to use the gene or protein other than for non-commercial research, including use for validation or screening compounds. For information on commercial licensing, contact Licensing Department, Evrogen JSC, email: license@evrogen.com.

About turboFP602 protein

TurboFP602 protein is a red shifted variant of the red fluorescent protein TurboRFP from sea anemone *Entacmaea quadricolor* [Merzlyak et al., 2007].

TurboFP602 possesses true-red fluorescence (with excitation/emission maxima at 574/602 nm, respectively), optimal for detection via most popular filter sets, and is easily distinguished from background signals. TurboFP602 exhibits fast maturation and high pH stability.

Quality Control

All cells are performance assayed and test negative for mycoplasma, bacteria, yeast and fungi. Cell viability, morphology and proliferative capacity are measured after recovery from cryopreservation. Innoprot guarantees stable expression for many generations and provides support for cell culture and visualization.

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