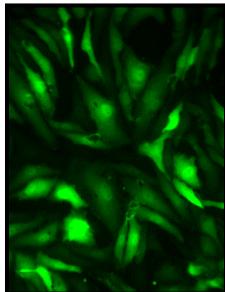


NEUROSCIENCE INNOPROFILE™

FLUORESCENT IMMORTALIZED HUMAN BRAIN ENDOTHELIAL CELLS



| | |
|-----------------------------|---|
| Product Type: | Fluorescent Immortalized Brain Endothelial Cells |
| Catalog Number: | P10361-IM-tGFP |
| Immortalization: | SV40 Large T Antigen |
| Fluorescent Protein: | turboGFP |
| Number of cells: | > 3 x10 ⁶ cells in Cryopreserved vials |
| Storage: | Liquid Nitrogen |

Fluorescent HBMEC-IM are green fluorescent immortalized human primary brain microvascular endothelial cells, which have been developed through transfection with tGFP expression vector into the cell genome. Cells are expressing the green fluorescent protein gene sequences as free cytoplasmatic protein.

The Brain MEC are the major element of the blood-brain barrier and comprise the primary limitation to passage of substances, both soluble and cellular, from the blood into the brain. Brain MEC utilizes unique features that distinguish themselves from those of peripheral endothelial cells. Like peripheral endothelial cells, however, brain MEC express, or can be induced to express, cell adhesion molecules on their surface that regulate the extravasation of leukocytes into the brain. In view of the organ specificity of MEC, Brain MEC has been widely used for studying the molecular and cellular basis of blood-brain barrier.

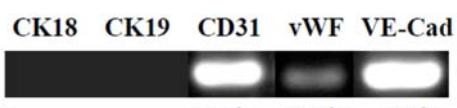
Product Characterization

Positive for:

- vWF/Factor VIII
- CD31 (P-CAM)
- VE Cadherin

Negative for:

- Cytokeratin 18
- Cytokeratin 19



The cells test negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast and fungi

Product Use

Sale of this item is subjected to the completion of a Material Transfer Agreement (MTA) by the purchasing individual/institution for each order. If you have any questions regarding this, please contact us at innoprot@innoprot.com