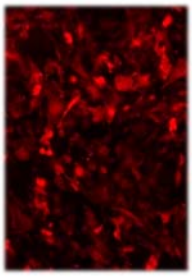
REF: P10354-IM-FP602

NEUROSCIENCE INNOPROFILE™

RED FLUORESCENT IMMORTALIZED HUMAN MICROGLIA



Product Type:	Red Fluorescent Immortalized Human Microglia
Catalog Number:	P10354-IM-FP602
Immortalization:	SV40 Large T Antigen
Fluorescent Protein:	FP602 (Bright true-red fluorescence)
Number of cells:	> 1 x10^6 cells in Cryopreserved vials
Storage:	Liquid Nitrogen

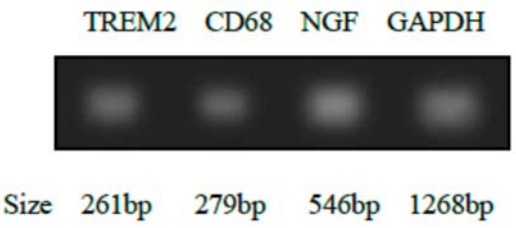
Red Fluorescent HM-IM are bright true-red fluorescent immortalized human primary microglia, which have been developed through transfection with FP602 expression vector into the cell genome. Cells are expressing the red fluorescent protein gene sequences as free cytoplasmatic protein.

Microglia, one of the glial cell types in the CNS, are an important integral component of neuro-glial cell network. Microglia act as brain macrophages when programmed cell death occurs during brain development or when the CNS is injured. Microglia can be considered as the main cell in brain immune surveillance, can present antigens in the molecular context of MHC class II expression to CD-4 positive T cells. Furthermore, there is accumulating evidence that microglia are involved in a variety of physiological and pathological processes in the brain by interacting with neurons and other glial cells and through production of biologically active substances such as growth factors, cytokines, and other factors.

Product Characterization

Positive for:

- TREM2 (Microglial)
- CD68 (Macrophage)
- NGF (Neurotrophic)
- GAPDH (House-Keeping)



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

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