The Immortalized Human Microglia - SV40 cell line is derived from Primary Human Microglia Cells (>99% purity) and have maintained microglial specific markers such as Iba1, CD68, TREM2 and CD11b. These cells are suitable for studies of human microglia in health and disease.

Microglia, one of the glial cell types in the CNS, are an important integral component of neuroglial 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