

Application Note

Introduction

The aim of this experiment is to examine the effect of various isotype control antibodies on the proliferation of human umbilical vein endothelial cells (HUVECs) in vitro (Catalog number: **PTX17958** and **PTX17891**).

Results

The addition of the human Isotype control antibodies in vitro did not result in altered proliferation of HUVECs. No effects were seen upon quantification of metabolic activity after 48 hours of adding the antibodies in various concentrations.

Method

HUVECs were seeded at 4000 cells/well in sextuplicate per condition in culture medium with 2 % FBS. After 24 hours, the cells were starved with 0.2 % FBS. The next day, concentrations ranging from 0 ng/ml to 1000 ng/ml of either isotype antibodies were introduced to the wells. After 48 hours, a standard MTT assay was performed and the metabolic activity measured using a colorimeter at OD_{570nm}.

Conclusion

The isotype control antibodies do not affect the metabolic activity of HUVECs.

