

Serum-free Medium for Peripheral Blood Lymphocytes

KBM591

KBM591 is a medium suitable for activation and expansion culture of human lymphocytes and is possible to expand lymphocytes without adding serum or plasma. Please add IL2 when used.

Features

- Antibiotics or cytokines such as interleukin-2 are not included.
- In addition to T cells, it can activate and expand culture of NK cells.
- Chemically-defined and Xeno-free medium.
- Serum can be added to the medium.

Proliferation for T cell

【Cells】 Human peripheral blood
【Medium】 KBM 591
【Vessel】 24 well plate coated with anti-CD3
【Protocol】 Seeded 4×10^5 cells/well and incubated statically at 37°C • 5% carbon dioxide.
The amount of IL2 is added according to proliferation and cultured for 14 days.

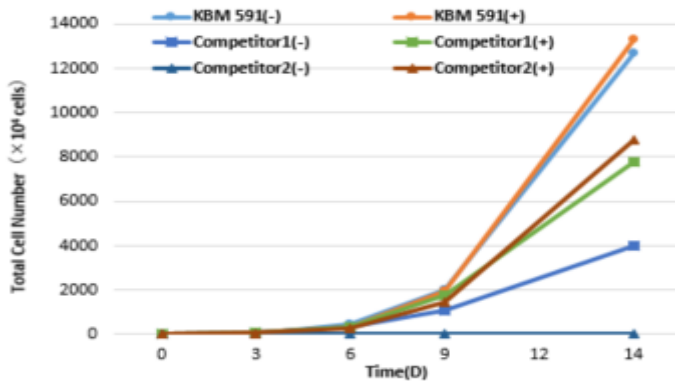


Fig. 1 : T cell Proliferative Response with and without plasma

Proliferation for NK cell

【Cells】 Human peripheral blood
【Medium】 KBM 591
【Vessel】 24 well plate coated with NKCC-c
【Protocol】 Seeded 1×10^6 cells/well and incubated statically at 37°C • 5% carbon dioxide.
The amount of IL2 is added according to proliferation and cultured for 14 days.

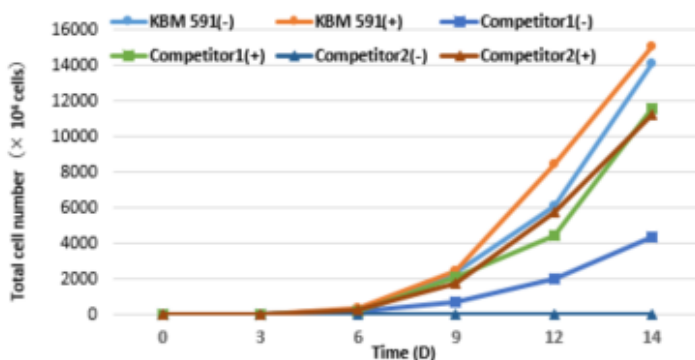


Fig. 3 : NK cell Proliferative Response with and without plasma

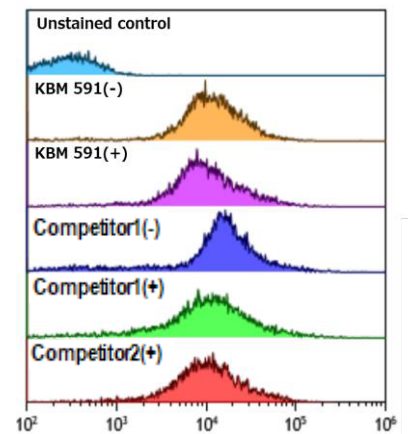


Fig. 2 : CD3 Positive Rate

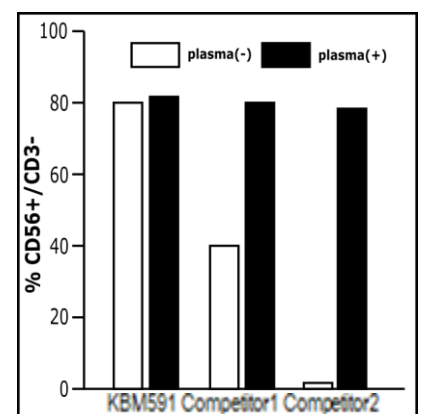


Fig. 4 : NK cell Marker Ratio

* This product is sold for research purposes only.