

Anti-Human CD3 Monoclonal Antibody (OKT3)

Product Description

The product is a monoclonal antibody against human CD3 molecule which expressed on mature T cell. In mammals, CD3 combines with TCR and CD247 molecules to form TCR-CD3 complex and then mediates T cell activation. CD3 molecule is composed of one γ chain, one δ chain and two ϵ chains, and is responsible for the signaling transduction for T cell activation. Therefore, T cells also can be directly induced into activation and proliferation by antibodies (such as OKT3) targeted CD3 molecule. The target epitope recognized by OKT3 is the ϵ chain of CD3. OKT3 reacts with all peripheral T cells and CD3+ thymocytes in human. This product is suitable for the activation and expansion of T lymphocytes.



Application:

Special design for the activation and expansion of cultured human T cells.

Storage: Keep at - 20 to - 70 °C in lyophilized form.

After dissolution, it shall be sub-packed and stored at - 20 to - 70 °C.

Avoid repeated freezing and thawing.

Specification:

High quality protein, 1mg/vial, white lyophilized powder.



Dosage instructions for use:

Diluted with PBS or sterile water. It is recommended for T cell activation *in vitro* at concentration of 100ng / ml, and suggests that each laboratory optimize its concentration for culture.

Shelf life:

Store under specified conditions for 24 months.

The diluted CD3 solution can be stored at 2-8 °C for one month.