

CD137 protein-coupled magnetic MicroBeads

Cat. No. TNFRSF9-97M Lot. No. (See product label)

SPECIFICATION

Product Overview

Species Human

Capacity for 1×10^9 total cells

Background

CD137-PE recognizes the CD137 (4-1BB) antigen, a 30 kDa glycoprotein of the tumor necrosis factor (TNF) receptor superfamily. CD137 is mainly expressed on activated CD4+ and CD8+ T cells, activated B cells, and on natural killer cells, but can also be found on resting monocytes and dendritic cells. As a costimulatory molecule CD137 is involved in the activation and survival of CD4+ or CD8+ T cells, and NK cells.

Recently, CD137 has been described to be a suitable marker for antigen-specific activation of human CD8+ T cells, as CD137 is not expressed on resting CD8+ T cells and its expression is reliably induced after 24 hours of stimulation. CD137+ cells are indirectly magnetically labeled with CD137-PE and Anti-PE MicroBeads. For the isolation of activated antigen-specific CD8+ T cells, the CD137 MicroBead Kit can be combined with the CD8+ T Cell Isolation Kit.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA