Human CD8-PE CAR TEST Kit

Summary

Code#	APK153
Protein Construction	Human CD8 (Ser22-Asp182) conjugated to PE
Expression System	CHO
Purity	Recombinant Expression and Affinity purified
Conjugate	PE(Ex: 488nm, Em: 575nm)
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300
Storage	Store at 4°C(Avoid freeze / thaw cycles), protect from light

Description

Human CD8-PE CAR TEST Kit is designed for detecting antibody expression of CAR related cell specifically. Human CD8-PE CAR TEST Kit is recombinant human CD8 antigen fused to PE. Based on FCM and/or ELISA, CD8-PE CAR TEST Kit reacts with Anti-human CD8 antibody and their chimerism.

Background

CD8 is a heterodimeric membrane glycoprotein on MHC class I-restricted T lymphocytes that cooperates with the alpha beta CD3 TCR in the recognition of MHC class I molecules presenting antigenic peptides. Cell surface CD8 molecules exist as either alpha/alpha homodimers or alpha/beta heterodimers, and most CD8+ T cells that undergo differentiation in the thymus express alpha/beta heterodimers. The CD8 b chain appears to be important for the thymic maturation of CD8+ T cells, because the number of mature CD8 single-positive T cells is decreased in CD8b gene-disrupted mice and most CD8+ T cells among gut intraepithelial lymphocytes in thymectomized mice express CD8 alpha/alpha homodimers.

Benefits

High lot-to-lot consistency

Application notes

Flow Cytometry Detection
(1) Take 5×10^5 test cells, wash them twice with pre-cooled FACS Buffer, and centrifuge at 1500 rpm for 5 minutes each time, Finally, resuspend with 100 μL FACS Buffer;
(2) Add 1 μL of Human CD8-PE solution to the cell suspension and mix well. Incubate in the dark at 2-8°C for 30 minutes
(3)After incubation, wash twice with pre-cooled FACS Buffer, then resuspend in 200 μL FACS Buffer for machine detection.
*FACS Buffer:1×PBS(pH7.4), 2%BSA

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.