

Human CD19-PE CAR TEST Kit

Summary

Code#	APK151
Protein Construction	Human CD19 (Pro20-Lys291) 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 CD19-PE CAR TEST Kit is designed for detecting antibody expression of CAR related cell specifically. Human CD19-PE CAR TEST Kit is recombinant human CD19 antigen fused to PE. Based on FCM and/or ELISA, CD19-PE CAR TEST Kit reacts with Anti-human CD19 antibody and their chimerism.

Background

CD19 is a 95 kDa coreceptor, which amplifies the signaling cascade in B cells. On the B cell surface, CD19 associates with CD21, CD81 and Leu-13 to exert its function. The cytoplasmic tail of CD19 has nine conserved tyrosine residues playing critical roles in CD19 mediated function by coupling signaling molecules to the receptor. Mature human CD19 consists of a 272aa extracellular domain (ECD) with two Ig-like domains, a 22aa transmembrane segment, and a 243aa cytoplasmic domain.

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 μ L FACS Buffer;
- (2) Add 1 μ L of Human BCMA-PE solution to the cell suspension and mix well. Incubate in the dark at $2-8^{\circ}\text{C}$ for 30 minutes
- (3) After incubation, wash twice with pre-cooled FACS Buffer, then resuspend in 200 μ L FACS Buffer for machine detection.

*FACS Buffer: $1 \times \text{PBS}(\text{pH}7.4)$, 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.

This product is for research use only and is not approved for use in humans or in clinical