Anti-CD19 (FMC63 scFv) CAR Immunogenicity ELISA Kit

Summary

Catalog No.	KAD10801
Alternative Names	Anti-FMC63 scFv antibody, CD19, CAR-T, Mouse FMC63 scFv
Stability and Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 10% prior to the expiration date under appropriate storage condition.
Detection method	Colorimetric
Sample type	Plasma, Serum
Assay type	Quantitative
Sensitivity	1.04 ng/mL
Range	1.56 - 100 ng/mL
Recovery	80-120%
Note	For Research Use Only.

Description

This assay employs the quantitative sandwich enzyme immunoassay technique. Mouse FMC63 scFv has been pre-coated onto a microplate. Samples or standards are pipetted into microwells and Anti-FMC63 scFv Antibody will be captured by immobilized Mouse FMC63 scFv. After washing away any unbound substances, a biotin-labeled Mouse FMC63 scFv is added to the wells. After washing away any unbound substances, Streptavidin-HRP is added to the wells. Following a wash to remove any unbound enzyme

reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Anti-FMC63 scFv Antibody bound in the initial step. The color development is stopped and the intensity of the color is measured.

Background

FMC63 is a mouse IgG2a monoclonal antibody specific for CD19, which is a target for the immunotherapy of B lineage leukemias and lymphomas. FMC63 scFv is the most commonly used ectodomain component of CD19-specific CARs. Anti-FMC63 scFv antibody can specifically bind to the antigen recognition epitope of FMC63 scFv on anti-CD19 CAR, and it shows high specificity and sensitivity, it's used to detect the expression of FMC63 scFv derived CAR.

Precision

CV

Data Image