



RAB167Hu21
Recombinant Mouse IgG to Human Cluster Of Differentiation 4 (CD4)
Organism Species: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Recombinant Monoclonal Mouse IgG2b Kappa.

Purification: Protein A/G Affinity Chromatography.

Potency (Clone Number):320,000:1 (A7)

Immunoglobulin Type: IgG2b Kappa

Traits: Liquid

Size: 50ug

Concentration: 800ug/ml

Applications: WB; IFC; IHC; IP.

[IMMUNOGEN]

Immunogen: Recombinant human CD4 expressed in E.coli.

Accession No.: RPB167Hu01

[APPLICATIONS]

Western blotting: 1:40-1:400

Immunohistochemistry: 1:40-1:200

Immunocytochemistry: 1:40-1:200

Flow cytometry: 0.2-2 μ L/10⁶ cells

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Store at 4 $^{\circ}$ C short term (1-2 weeks).

Upon delivery aliquot. Store at -20 $^{\circ}$ C long term.

Avoid repeated freeze-thaw cycles.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 $^{\circ}$ C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under

appropriate storage condition.

[IDENTIFICATION]

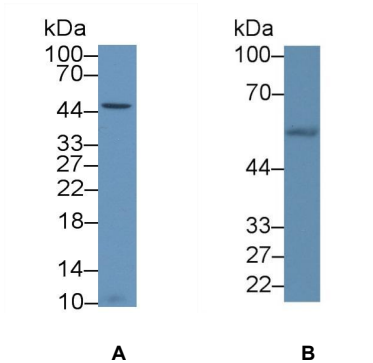


Figure 1. Western Blot

A. Sample: Recombinant Human CD4

B. Human PBMC

Primary Ab: 5µg/mL Mouse anti Human CD4 Monoclonal Antibody(CatalogRAB167Hu21)

Second Ab: 0.2ug/ml HRP-Linked Goat

Anti-Mouse IgG Ab(Catalog SAA544Mu19)

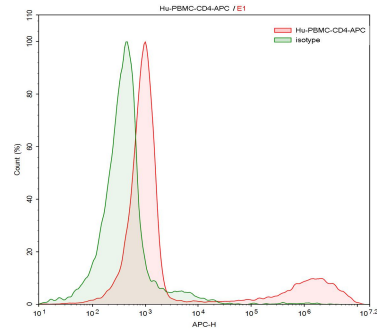


Figure 2 . Flow Cytometry

Detection of CD4 in Human Blood Lymphocytes by Flow Cytometry

Human peripheral blood lymphocytes were stained with Mouse anti Human CD4 Recombinant Antibody(Catalog RAB167Hu21, red histogram) or isotype control antibody (Catalog IS067-Mu03, green histogram) followed by APC-conjugated Anti-Mouse IgG Secondary Antibody(Catalog SAA544Mu15) .