

Datasheet for ABIN7492012

Recombinant anti-CD4 antibody (AA 26-390)



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3 Images

Overview

Quantity:	100 µL
Target:	CD4
Binding Specificity:	AA 26-390
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This CD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Purpose:	Recombinant Antibody to Cluster Of Differentiation 4 (CD4)
Immunogen:	Recombinant Cluster Of Differentiation 4 (CD4) corresponding to Lys26~Trp390 with N-terminal His Tag
Clone:	A7
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against CD4. It has been selected for its ability to recognize CD4 in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

Target Details

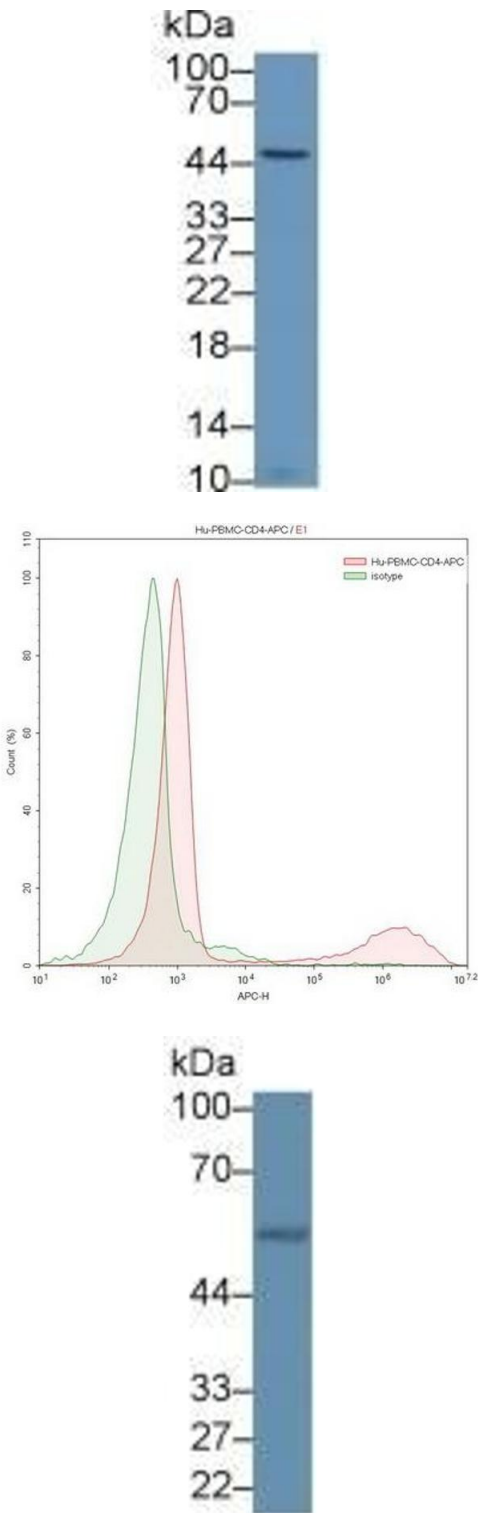
Target:	CD4
Alternative Name:	CD4 (CD4 Products)
Background:	CD4mut, p55, T-cell surface glycoprotein CD4, T-cell surface antigen T4/Leu-3
Pathways:	TCR Signaling , Maintenance of Protein Location , CXCR4-mediated Signaling Events

Application Details

Application Notes:	Western blotting: 1:40-1:400 Immunohistochemistry: 1:40-1:200 Immunocytochemistry: 1:40-1:200 Flow cytometry: 0.2-2µL/106 cells Optimal working dilutions must be determined by end user.
Comment:	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°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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Detection of Recombinant Human CD4 using Recombinant Antibody to Cluster Of Differentiation 4 (CD4)

Flow Cytometry

Image 2. Detection of CD4 in Human Blood Lymphocytes using Recombinant Antibody to Cluster Of Differentiation 4 (CD4)

Western Blotting

Image 3. Detection of CD4 in Human PBMC using Recombinant Antibody to Cluster Of Differentiation 4 (CD4)