.-online.com antibodies

Datasheet for ABIN7266195 anti-CD4 antibody

4 Images



Overview

Quantity:	100 µL
Target:	CD4
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CD4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	CD4 Rabbit mAb
Immunogen:	A synthesized peptide derived from human CD4
Isotype:	lgG
Cross-Reactivity:	Human
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CD4
Alternative Name:	CD4 (CD4 Products)
Background:	This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7266195 | 09/09/2023 | Copyright antibodies-online. All rights reserved.

Target Details

histocompatibility complex class II antigenes and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Aug 2010],CD4,CD4mut,CDs,Hematopoietic Progenitors,Immunology & Inflammation,Stem Cells,T Cell Receptor Signaling Pathway,CD4

Molecular Weight:	55kDa
Gene ID:	920
UniProt:	P01730
Pathways: TCR Signaling, Maintenance of Protein Location, CXCR4-mediated Signaling Events	

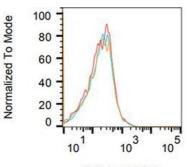
Application Details

Application Notes:	1:500 - 1:2000,IHC,1:50 - 1:200,FC,1:50 - 1:200	
Restrictions:	For Research Use only	

Handling

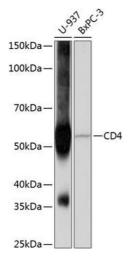
Format:	Liquid		
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.		
Storage:	-20 °C		
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.		

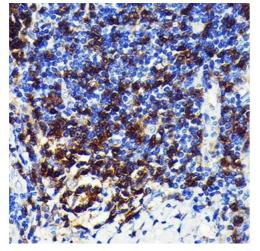
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN7266195 | 09/09/2023 | Copyright antibodies-online. All rights reserved.



FL3-A :: APC	-A
--------------	----

8. 18	Sample Name	Subset Name	Count
	K562-CD4 mAB.fcs	Single Cells	5793
	K562-negative control.fcs	Single Cells	5357
	K562-blank.fcs	Single Cells	5771





Flow Cytometry

Image 1. Flow cytometry: K-562 cells were stained with Rabbit IgG isotype control (, $10 \mu g/mL$, blue line) or CD4 Rabbit mAb (ABIN7266195, $10 \mu g/mL$ orange line), followed by goat anti-Rabbit pAb Alexa Fluor 647 (1:500 dilution) staining. Non-fluorescently stained K-562 cells was used as blank control (red line).

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using CD4 antibody (ABIN7266195) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3 min.

Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human lung cancer using CD4 Rabbit mAb (ABIN7266195) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 4 images are available for ABIN7266195.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN7266195 | 09/09/2023 | Copyright antibodies-online. All rights reserved.