



Rabbit Anti-Human CD4 monoclonal antibody, clone TU1599 (CABT-L675)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	CD4
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	TU1599
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Molecular Weight	51 kDa
Cellular Localization	Cell membrane.
Positive Control	A549, CRC, human tonsil tissue, human spleen tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	The T cell receptor (TCR) is a heterodimer composed of either α and β or γ and δ chains. CD3 chains and the CD4 or CD8 co-receptors are also required for efficient signal transduction through the TCR. The TCR is expressed on T helper and T cytotoxic cells that can be distinguished by their expression of CD4 and CD8; T helper cells express CD4 proteins and T cytotoxic cells display CD8. CD4 is also expressed on cortical cells, mature medullary thymocytes, microglial cells and dendritic cells. CD4 (also designated T4 and Leu 3), is a membrane glycoprotein that contains four extracellular immunoglobulin-like domains. The TCR in association with CD4 can bind class II MHC molecules presented by the antigen-presenting cells. The CD4 protein functions by increasing the avidity of the interaction between the TCR and an antigen-class II MHC complex. An additional role of CD4 is to function as a receptor for HIV.
Keywords	CD 4;CD4 (L3T4);CD4;CD4 antigen (p55);CD4 antigen;CD4 molecule;CD4 receptor;CD4+ Lymphocyte deficiency, included;CD4_HUMAN;CD4mut;L3T4;Leu3;Ly-4;Lymphocyte antigen CD4;MGC165891;OTTHUMP00000238897;p55;T cell antigen T4;T cell antigen T4/LEU3;T cell differentiation antigen L3T4;T cell OKT4 deficiency, included;T cell surface antigen T4/Leu 3;T cell surface antigen T4/Leu3;T cell surface glycoprotein CD4;T-cell surface antigen T4/Leu-3;T-cell surface glycoprotein CD4;W3/25;W3/25 antigen antibody

GENE INFORMATION

Entrez Gene ID	920
UniProt ID	P01730
