

Human CD4 (125-202) - Purified

Alternate names:	T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
Catalog No.:	AR10024PU-S
Quantity:	5 µg
Background:	CD4, a single chain transmembrane glycoprotein, is found on a T cell subset (helper/inducer) representing 45% of peripheral blood lymphocytes. It is also present on 80% of thymocytes and at a lower level on monocytes. It is involved in recognition of antigen presented along with MHC class II by APCs. It serves as receptor for HIV. Antibody to CD4 recognizes T-helper cells required for recognition of class II antigens. It reacts with ~60% of peripheral blood E rosette-positive (E+) cells while showing negligible reactivity with E- cells, monocytes, granulocytes, EBV-transformed B cell lines, and mouse splenocytes.
Uniprot ID:	P01730
NCBI:	NP_000607.1
GeneID:	920
Species:	Human
Source:	E. coli
Format:	State: Sterile lyophilized powder. Purity: >90.0% as determined by SDS-PAGE. Buffer System: Each mg contains 1X PBS. Reconstitution: Restore the lyophilized CD-4 (125-202) in sterile 18MΩ·cm ⁻¹ H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Applications:	Protein Assay. Antibody Production. Western Blotting. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Description:	Recombinant Human CD4 is fused with a 4kDa His Tag and encoding amino acids 125-202, having a total Molecular Weight of 19 kDa. Molecular weight: 19 kDa
Storage:	Store the antigen at -20°C to -80°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.