

Human CD4 - Purified

Alternate names:	T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
Catalog No.:	BA1003
Quantity:	0.1 mg
Background:	CD4 is a single chain transmembraneous glycoprotein (59 kDa) which belongs to the immunoglobulin superfamily. CD4 is present on a subset of T lymphocytes ("helper/inducer" T cells) and is also expressed at a lower level on monocytes, tissue macrophages and granulocytes. The antigen is involved in binding to MHC class II molecules. The intracellular domain of the antigen is associated with p56lck protein tyrosine kinase.
Uniprot ID:	P01730
NCBI:	NP_000607.1
GeneID:	920
Species:	Human
Source:	Insect cells, Baculovirus Expression system.
Format:	State: Lyophilized purified fraction (>95% pure by Coomassie blue stained SDS-PAGE under reduced and non-reduced conditions. Purity: >95% Buffer System: PBS, pH 7.4 containing no preservatives. Reconstitution: Restore with distilled water to desired concentration.
Applications:	Migrates as a 55kD protein on standard SDS-PAGE. Detected by Western Immune Blots with anti-CD4 monoclonal antibody. Immune reactive in ELISA using anti-CD4 monoclonal antibody and in gp120 capture ELISA assays. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Storage:	Store lyophilized product at 2-8°C. Aliquot and store reconstituted product at -20°C. Avoid repeated freezing and thawing. Shelf live one year from despatch.