

Recombinant Human sCD4

CATALOG #:	4939-10	10 µg
	4939-1000	1 mg
LOT #:	_____	
SYNONYMS:	gp55, HLA-2, L3 / T4, Ly-4, T cell antigen T4/LEU3, T4, sCD4, CD4mut.	
SOURCE:	Baculovirus	
PURITY:	> 90 % by SDS-PAGE and RP-HPLC	
FORM:	4 mg/ml sterile filtered solution containing 10 mM sodium phosphate buffer, pH 7.0, 300 mM NaCl and 0.01% Tween-80	

STORAGE CONDITIONS:

Recombinant human sCD4 is best-stored desiccated at -20°C. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA). Avoid freeze/thaw cycles.

DESCRIPTION:

CD4 is a cell-surface glycoprotein found on the mature helper T cells and immature thymocytes, as well as on monocytes and macrophages. (Some cytotoxic T cells have CD4 protein as well.) Normally, about 65% of T cells in the blood are CD4+ (have CD4 protein protruding from their membrane). A mature T cell with have either CD4 or CD8, but not both. During one stage of development T cells develop CD4 and CD8 receptors, but they eventually are differentiated in the thymus and become more specialized.

AMINO ACID SEQUENCE:

KKVVL GKKGDTVELT CTASQKKSIQ FHWKNSNQUIK ILGNQGSFLT KGPSKLNDRA
DSRRSLWDQG NFPLIIKNLK IEDSDTYICE VEDQKEEVQL LVFGLTANS D THLLQGQSLT
LTLESPPGSS PSVQCRSPRG KNIQGGKTLS VSQLELQDSG TWTCTVLQNQ KKVEFKIDIV
VLAFAQKASSI VYKKEGEQVE FSFPLAFTVE KLTGSGELWWQAERASSSKS WITFDLKNKE
VSVKRVTDQP KLQMGKKLPL HLTLPQALPQ YAGSGNLTALAEAKTGKLHQ EVNLVVMRAT
QLQKNLTCEV WGPTSPKLML SLKLENKEAK VSKREKAVVW LNPEAGMWQC
LLSDSGQVLL ESNIKVLPTW

BIOLOGICAL ACTIVITY:

Immune reactive in ELISA using monoclonal anti CD4 in gpl2O capture ELISA assays.

RELATED PRODUCTS:

- Growth Factors and Cytokines
- Chemokines
- Monoclonal and Polyclonal Antibodies

FOR RESEARCH USE ONLY! Not to be used in humans.