



Catalog Number: PR27300

Product Type: Recombinant Protein

Source: Sf9, Baculovirus Cells

Amino Acid Sequence: EEPLVVKVEE GDNAVLQCLK GTSDGPTQQL TWSRESPLKP FLKLSLGLPG LGIHMRLAI WLFIFNVSQQ MGGFYLCQPG PPSEKAWQPG WTVNVEGSGE LFRWNVSDLG GLGCGLKNRS SEGPSSPSGK LMSPKLYVWA KDRPEIWEGE PPCLPPRDSL NQSLSQDLTM APGSTLWLSC GVPPDSVSRG PLSWTHVHPK GPKSLLSLEL KDRPARDMW VMETGLLLPR ATAQDAGKYY CHRGNTMSF HLEITARPVL WHWLLRTGGW KLEPKSCDKT HTPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKLSL SPGKHHHHHH

Description/Molecular Mass: CD19, also known as B-Lymphocyte Surface Antigen B4, belongs to the Ig superfamily which is expressed on the surface of all B-lymphoid cells with the exception of terminally differentiated plasma cells. CD19 is involved as a signal-transducing receptor in the control of differentiation as well as proliferation. CD19 is as an adaptor protein which drafts cytoplasmic signaling proteins to the membrane and operates within the CD19/CD21 complex to decrease the threshold for B cell receptor signaling pathways. CD19 is present on all B cells, and therefore is a biomarker for lymphoma diagnosis, B lymphocyte development and can be used as a target for leukemia immunotherapies.

CD19 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 510 amino acids (21-291a.a.) and having a molecular mass of 57.0kDa. (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).

CD19 is expressed with a 239 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Purity: Greater than 85.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CD19 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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