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32-13084: CD19 Human

Alternative Name : CD19 Molecule, B-Lymphocyte Surface Antigen B4, T-Cell Surface Antigen Leu-12, Differentiation Antigen CD19, Â CD19 Antigen, B-Lymphocyte Antigen CD19, CVID3, B4.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
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.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	CD19 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	EEPLVVKVEE GDNAVLQCLK GTSDGPTQQL TWSRESPLKP FLKLSLGLPG LGIHMRPLAI WLFIFNVSQQ MGGFYLCQPG PPSEKAWQPG WTVNVEGSGE LFRWNVSDLG GLGCGLKNRS SEGPSSPSGK LMSPKLYVWA KDRPEIWEGE PPCLPPRDSL NQSLSQDLTM APGSTLWLSC GVPPDSVSRG PLSWTHVHPK GPKSLLSLEL KDDRPARDMW VMETGLLLPR ATAQDAGKYY CHRGNLTMSF HLEITARPVL WHWLLRTGGW KLEPKSCDKT HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSDGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGKHHHHHH

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