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32-3455: sCD23 Recombinant Protein

Alternative Name :	Low affinity immunoglobulin epsilon Fc receptor,Lymphocyte IgE receptor,Fc-epsilon-RII,BLAST-2,Immunoglobulin E-binding factor,CD23 antigen,FCER2,CD23,FCE2,CD23A,IGEBF,CLEC4J.

Description

Source : Escherichia Coli. sCD23 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 172 amino acids and having a molecular mass of 19.2kDa.The sCD23 is purified by proprietary chromatographic techniques. CD23 is a 45kDa glycoprotein, which is present on a subpopulation of freshly isolated peripheral blood and tonsil B cells and strongly expressed on EBV-transformed B lymphoblasts. The CD23 molecule is identical to the low affinity IgE receptor found on B cells. Expression of CD23 has been detected in neoplastic cells from cases of B cell chronic lymphocyctic leukaemia and some cases of centroblastic/centrocytic lymphoma.

Product Info

Amount :	20 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Storage condition :	Lyophilized sCD23 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution sCD23 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MELQVSSGFV CNTCPEKWIN FQRKCYYFGK GTKQWVHARY ACDDMEGQLV SIHSPEEQDF LTKHASHTGS WIGLRNLDLK GEFIWVDGSH VDYSNWAPGE PTSRSQGEDC VMMRGSGRWN DAFCDRKLGA WVCDRLATCT PPASEGSAES MGPDSRPDPD GRLPTPSAPL HS

Application Note

It is recommended to reconstitute the lyophilized sCD23 in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. The ED50 is determined by its ability to induce TNF-alpha production by human PBMCs.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.