

## 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 lymphocytic 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 FQRKCYFYGK GTKQWVHARY ACDDMEGQLV SIHSPEEQDF LTKHASHTGS WIGLRNLDLK GEFIWVDGSH VDYSNWAPGE PTSRSQGEDC VMMRGSGRWN DAFCDRLGA WVCURLATCT PPASEGSAES MGPDSRPDPD GRLPTPSAPL HS

### Application Note

It is recommended to reconstitute the lyophilized sCD23 in sterile 18M-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. The ED<sub>50</sub> is determined by its ability to induce TNF-alpha production by human PBMCs.

