

Soluble CD23 Human Recombinant

Item Number	rAP-0080
Synonyms	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	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.
Uniprot Accession Number	P06734
Amino Acid Sequence	MELQVSSGFV CNTCPEKWIN FQRKCYFYGK GTKQVWHARY ACDDMEGQLV SIHSPEEQDF LTKHASHTGS WIGLRNLDLK GEFIWVDGSH VDYSNWAPGE PTSRSQGEDC VMMRGSGRWN DAFCDRKLGAVVCDRLATCT PPASEGSAES MGPDSRPPDP GRLPTPSAPL HS
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized sCD23 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 is determined by its ability to induce TNF-alpha production by human PBMCs.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**