
Product Data Sheet

Product Name: sCD23 Human
 Cat. No.: GP23021
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
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.		
Amino Acid Sequence	MELQVSSGFV CNTCPEKWIN FQRKCYFYGK GTKQVWHARY ACDDMEGQLV SIHSPEEQDF LTKHASHTGS WIGLRNLDLK GEFIVVDGSH VDYSNWAPGE PTSRSQGEDC VMMRGSGRWN DAFCDRKLGA WVC DRLATCT PPASEGSAES MGPDSRPDPD GRLPTPSAPL HS		
Solubility	It is recommended to reconstitute the lyophilized sCD23 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.		

Introduction

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.

Biological Activity

The ED50 is determined by its ability to induce TNF-alpha production by human PBMCs.

Stability

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-

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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.

Background

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.

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