

**sCD23, Human recombinant protein**  
**CD23 antigen, Fc-epsilon-RII, Lymphocyte IgE receptor, BLAST-2**  
**Catalog # PBV10759r****Specification**

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**sCD23, Human recombinant protein - Product info**

Primary Accession [Q30218](#)  
Calculated MW **19.2 kDa KDa**

**sCD23, Human recombinant protein - Additional Info**

Gene ID **9606**  
Gene Symbol **CD23**  
**Other Names**  
CD23 antigen, Fc-epsilon-RII, Lymphocyte IgE receptor, BLAST-2

Gene Source **Human**  
Source **E.coli**  
Assay&Purity **SDS-PAGE; ≥96%**  
Assay2&Purity2 **HPLC;**  
Recombinant **Yes**  
Sequence **MELQVSSGFV CNTCPEKWIN FQRKCYFFGK  
GTKQWVHARY ACDDMEGQLV SIHSPEEQDF  
LTKHASHTGS WIGLRNLDLK GEFIWVDGSH  
VDYSNWAPGE PTSRSQGEDC  
VMMRGSGRWN DAFCDRLKGA WVCDDLATCT  
PPASEGSAES MGPDSRPDPD GRLPTPSAPL  
HS**

**Target/Specificity**  
sCD23

**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

**Format**

Lyophilized powder

**Storage**

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 0.5X PBS, pH 8.0.

**sCD23, Human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**sCD23, Human recombinant protein - Images****sCD23, Human recombinant protein - Background**

CD23, the low affinity receptor for IgE, belongs to the C-type lectin structural family and plays a role in the regulation of IgE synthesis and IgE mediated activities. It is found both as a transmembrane receptor protein and in a soluble form, which is generated by proteolytic cleavage of membrane bound CD23. The predominant soluble form of CD23 (sCD23) consists of 172 amino acids corresponding to the extracellular domain of the full length precursor. sCD23, in addition to binding IgE, also exerts a number of IgE independent activities, such as promoting the activation and differentiation of B-cells and stimulating the release of pro-inflammatory cytokines from monocytes. Recombinant human sCD23 is a 19.2 kDa non-glycosylated protein containing 172 amino-acid residues.