10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

sCD23, Human recombinant protein

CD23 antigen, Fc-epsilon-RII, Lymphocyte IgE receptor, BLAST-2

Catalog # PBV10759r

Specification

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 FQRKCYYFGK GTKQWVHARY ACDDMEGQLV SIHSPEEQDF LTKHASHTGS WIGLRNLDLK GEFIWVDGSH VDYSNWAPGE PTSRSQGEDC VMMRGSGRWN DAFCDRKLGA WVCDRLATCT 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 Cytomety
- 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.