Recombinant Human CD23 (N-8His)

Catalog No: CS40

Description	Recombinant Human Low Affinity Fc Epsilon RII is produced by our Mammalian expression system and the target gene encoding Asp48-Ser321 is expressed with a 8His tag at the N-terminus.
Source	Human Cells
Alternative name	Low affinity immunoglobulin epsilon Fc receptor; BLAST-2; C-type lectin domain family 4 member J; Fc-epsilon-RII; Immunoglobulin E-binding factor; Lymphocyte IgE receptor; CD23; FCER2; CD23A; CLEC4J; FCE2; IGEBF
Accession No.	P06734
Predicted Molecular Weight	32.1kDa
AP Molecular Weight	35-40kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Background	Low affinity immunoglobulin epsilon Fc receptor(CD23) is a secreted and single-pass type II membrane protein which is also exists as a soluble excreted form. There are two forms of CD23: CD23a and CD23b. CD23a is present on follicular B cells, whereas CD23b requires IL-4 to be expressed on T-cells, monocytes, Langerhans cells, eosinophils, and macrophages. Unlike many of the antibody receptors, CD23/FCER2 is a C-type lectin. It is found on mature B cells, activated macrophages, eosinophils, follicular dendritic cells, and platelets. In flow cytometry, CD23/FCER2 is helpful in the differentiation of chronic lymphocytic leukemia (CD23-positive) from mantle cell leukemia (CD23-negative). CD23/FCER2 can also be demonstrated in germinal centre B-cells using immunohistochemistry, but it is not present in the resting cells of the surrounding mantle zone. CD23/FCER2 has essential roles in the regulation of IgE production and in the differentiation of B-cells (it is a B-cell-specificantigen).

SDS-Page