

## 32-8925: Recombinant Human Fc epsilon RII/CD23 (N-8His)

**Gene :** FCER2  
**Gene ID :** 2208  
**Uniprot ID :** P06734

### Description

Source: Human cells.  
MW :32.1kD.

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. 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-specific antigen).

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** 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.  
**Amino Acid :** HHHHHHHHDTTQSLKQLEERAARNVSQVSKNLESHHGDQMAQKSQSTQISQEEELRAEQRLKSQDLELS  
WNLNGLQADLSSFKSQELNERNEASDLLERLREEVTKLRMELQVSSGFVCNTCPEKWINFQRKCYFYGKGTKQ  
WVHARYACDDMEGQLVSIHSPEEQDFLTKHASHTGSWIGLRNLDLKGEFIWVDGSHVDYSNWAPGEPTSRS  
QGEDCVMMRGSGRWDAFCDRKLGAWVCDRLATCTPPASEGSAESMGPDSPDPDGRLLPTSPAPLHS

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.