

## 32-7946: Recombinant Human CD44/MIC4 (C-Fc)(Discontinued)

**Gene :** CD44  
**Gene ID :** 960  
**Uniprot ID :** P16070

### Description

Source: Human Cells.  
MW :49.2kD.

Recombinant Human CD44 is produced by our Mammalian expression system and the target gene encoding Gln21-Pro220 is expressed with a Fc tag at the C-terminus. CD44 is a cell-surface receptor for hyaluronic acid and also interacts with other ligands, such as osteopontin, collagens, and matrix metalloproteinases. A large number of CD44 isoforms can be generated by the insertion of different combinations of at least nine exons. Increased CD44 antigen is associated with relapses in non-small cell lung cancers. Furthermore, an increasing quantity of evidence suggests that CD44 has various functions related to inflammatory disease. CD44 deficiency induces severe liver injury. CD44-hyaluronate mediates in lymphocyte T and monocyte adhesion to the endothelium, stimulates proinflammatory cytokine release from macrophages and participates in dedifferentiation phenotype of smooth muscle cells from contractile state to synthetic one.

### Product Info

**Amount :** Fc) / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,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 :** QIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGFETCRYGFIEGHVVIPRIHPNSIC  
AANNTGVYILTSNTS QYDTYCFNASAPPEEDCTSVTDLPNAFDGPITITIVNRDGRYVQKGEYRTNPEDIYPSNP  
TDDDVS SSSERSSTSGGYIFYTFSTVHPIPEDESPWITDSTDRIPVDDIEGRMDEPKSCDKTHTCPPCPAPEL  
LGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTV  
LHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWE  
SNGQPENNYKTTTPVLDSDGSSFFLYSKLTVDKSRWQQGNVFCSSVMHEALHNHYTQKSLSLSPGK

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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