

## 32-7851: Recombinant Human SLAM Family Member 2/CD48 (C-Fc-6His)

**Gene :** CD48  
**Gene ID :** 962  
**Uniprot ID :** P09326

### Description

Source: Human Cells.  
MW :53.1kD.

Recombinant Human SLAMF2 is produced by our Mammalian expression system and the target gene encoding Gln27-Ser220 is expressed with a Fc, 6His tag at the C-terminus. CD48 antigen, also known as B-lymphocyte activation marker BLAST-1, BCM1 surface antigen, Leukocyte antigen MEM-102, TCT.1, CD48, BCM1, and BLAST1, CD48 contains one Ig-like C2-type domain and one Ig-like V-type domain, but does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor. CD48 may facilitate interaction between activated lymphocytes and be involved in regulating T-cell activation. CD48 plays a vital role as an environmental sensor for regulating progenitor cell numbers and inhibiting tumor development. It is suggested that the anti-CD48 mAb has the potential to become an effective therapeutic mAb against multiple myeloma.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.2.  
**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 :** QGHLVHMTVVSGSNVTLNISESLPENYKQLTWFYTFDQKIVEWDSRKSKEYFESKFKGRVRLDPQSGALYISKVQ  
KEDNSTYIMRVLKKTGNEQEWKIKLQVLDVPPKPKVIEKIEDMDDNLCYLKLSVIPGESVNYTWYGDKRPFPE  
LQNSVLETTLMPHNYSRCYTCQVSNVSSKNGTVCLSPCTLARSVDIEGRMDEPKSCDKTHTCPPCPELL  
GGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVL  
HQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWES  
NGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKLSLSLSPGKHHHHHH

### 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.