

Recombinant Mouse Mannose Binding Lectin 2/MBL-2/MBP-C

Catalog No: CM90

Description	Recombinant Mouse Mannose Binding Lectin 2 is produced by our mammalian expression system and the target gene encoding Glu19-Asp244 is expressed.
Source	Human Cells
Alternative name	Mannose binding lectin (C), isoform CRA_b, Mannose-binding protein C, Mbl2, MBL-2, Mannose Binding Lectin 2
Accession No.	Q3UEK1
Formulation	PBS, pH7.4
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.
Amino Acid Sequence	ETLTEGVQNSCPVVTCSPLNGFPGKDGRDGAKGEKGEPPGQGLRGLQGPPGKVGPTGPPGNPGLK GAVGPKGDRGDRAEFDTSIDSEIAALRSELRALRNWVLFSLSEKVGKKYFVSSVKKMSLDRVKALCSE FQGSVATPRNAEENSAIQKVAKDIAYLGITDVRVEGSFEDLTGNRVRYTNWNDGEPNNTGDGEDCVVIL GNGKWNDVPCSDSFLAICEFSD
Background	Mannose-binding Lectin (MBL) is an acute phase protein bearing to the family of collectins produced by the liver as a monomer that forms a triple helix. Once released in serum, it further polymerizes forming dimers to octamers. The degree of serum polymerization is critical for the biological activity of MBL. MBL has higher affinity to microbial polysaccharides or their glycoconjugates. MBL was shown earlier to bind cell surfaces of bacteria, fungi, protozoa and viruses and acts as an acute-phase plasma protein (APP) during infection and inflammation. MBL activates the lectin-complement pathway, promotes opsonophagocytosis and modulates inflammation.