

## Product Information Sheet

### Ordering Information

Product Number: V100015  
Product Name: Anti-Beta-2-microglobulin (B2M) antibody \*Mouse anti-human, monoclonal IgG2b\*  
Unit Size: 50 ug  
Storage Conditions: Freeze (<-15 °C)  
Expiration Date: 12 months upon receiving

### Chemical and Spectral Properties

Appearance: Solid  
Molecular Weight: N/A  
Soluble In: Water  
Excitation Wavelength: N/A  
Emission Wavelength: N/A

### Application Notes

Human beta-2-microglobulin (B2M) is an 11.6 kDa non-glycosylated protein present in a variety of bodily fluids. It is a component of Class I MHC molecules and is necessary for the proper folding, binding of antigenic peptide, and surface expression of MHC-1 molecules. In long-term hemodialysis patients, B2M can accumulate to cause serious dialysis-related amyloidosis. Additionally, elevated levels of B2M are associated with rheumatoid arthritis, viral infections, cancer and aging. Anti-B2M monoclonal antibodies are highly specific for the detection of human B2M proteins. They can be used in a broad range of immunoassays such as latex enhanced turbidimetric immunoassays (LETIA), lateral-flow immunoassays (LFIA) and ELISA.