

## Product datasheet for **BM2145**

### beta 2 Microglobulin (B2M) Mouse Monoclonal Antibody [Clone ID: B1G6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	B1G6
Applications:	FC, IF, IHC
Recommended Dilution:	<b>Purification of the HLA antigens associated with Beta 2-Microglobulin.</b> <b>Fluorescence Microscopy or Flow Cytometry:</b> 2 $\mu$ l/5x10 <sup>5</sup> cells/test. <b>Immunohistochemistry on Frozen Sections or Cell Smears:</b> Working dilution 1/25-1/50.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified human Beta 2-Microglobulin
Specificity:	Specific for Human beta 2-Microglobulin (MW 12 kDa). Recognizes the HLA-beta 2-Microglobulin complex, free or associated with the membrane. Does not react with other species. The exact epitope for the antibody has not been mapped.
Formulation:	PBS State: Purified State: Lyophilized purified IgG fraction Stabilizer: 1 mg/ml BSA Preservative: None
Reconstitution Method:	Restore with 1.0 ml distilled water
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Addition of 0.09% (w/v) Sodium Azide is recommended for storage up to one month at 2-8°C. Avoid repeated freezing and thawing.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	beta-2-microglobulin
<b>Database Link:</b>	<a href="#">Entrez Gene 567 Human P61769</a>
<b>Background:</b>	Beta-2 Microglobulin non-covalently associates with the 44 kDa alpha chain to form the HLA Class I antigen complex. Human beta 2 Microglobulin associated with HLA Class I antigens are expressed on many types of cells including lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells, and epithelial cells. It is absent on erythrocytes.
<b>Synonyms:</b>	B2M, Beta-2 microglobulin, Beta 2 microglobulin