

F2-456-C100

## Monoclonal Antibody to beta2-Microglobulin F(ab')<sub>2</sub> fragment (0.1 mg)

<b>Clone:</b>	B2M-02
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The antibody B2M-02 reacts with beta2-microglobulin (beta2M) associated with cell-surface MHC Class I molecules and other membrane antigens as well as with soluble beta2-microglobulin. Beta2M is a 12 kDa Ig like glycoprotein expressed on lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells and epithelial cells. It is absent on erythrocytes.
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Purified isolated human beta2-microglobulin.
<b>Species Reactivity:</b>	Human, Porcine
<b>Preparation:</b>	F(ab') <sub>2</sub> fragments were prepared by pepsin digestion of the IgG followed by protein-A affinity chromatography to remove the remaining intact IgG or Fc fragments.
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Azide free phosphate buffered saline (PBS), preserved by filter sterilization, approx. pH 7.4
<b>Storage / Stability:</b>	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	Beta2-microglobulin non-covalently associates with the 44 kDa alpha chain to forms the HLA Class I antigen complex. Human beta2-microglobulin associated with HLA Class I antigens is expressed on many types of cells including lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells, and epithelial cells. It is absent on erythrocytes.
<b>References:</b>	<p>*Hilgert I, Horejsi V, Kristofova H: The use of murine monoclonal antibody B2M-01 for detection and purification of human beta 2-microglobulin. Folia Biol (Praha). 1984;30(6):369-76.</p> <p>*Drbal K, Angelisova P, Hilgert I, Cerny J, Novak P, Horejsi V: A proteolytically truncated form of free CD18, the common chain of leukocyte integrins, as a novel marker of activated myeloid cells. Blood. 2001 Sep 1;98(5):1561-6.</p>

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