



F2-237-C100

Monoclonal Antibody to beta2-microglobulin F(ab')₂ fragment (0.1 mg)

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| Clone: | B2M-01 |
| Isotype: | Mouse IgG2a |
| Specificity: | The antibody B2M-01 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. |
| Immunogen: | Purified human beta2-microglobulin |
| Species Reactivity: | Human |
| Negative Species: | Mouse, Bovine, Canine (Dog), Rabbit, Chicken |
| Preparation: | F(ab') ₂ fragments were prepared by pepsin digestion of the IgG followed by protein-A affinity chromatography to remove the remaining intact IgG or Fc fragments. |
| Purity: | > 95% (by SDS-PAGE) |
| Concentration: | 1 mg/ml |
| Storage Buffer: | Azide free phosphate buffered saline (PBS), preserved by filter sterilization, approx. pH 7.4 |
| Storage / Stability: | Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles. |
| Expiration: | See vial label |
| Lot Number: | See vial label |
| Background: | 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. |
| References: | *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. *Khurana M, Traum AZ, Aivado M, Wells MP, Guerrero M, Grall F, Libermann TA, Schachter AD.: Urine proteomic profiling of pediatric nephrotic syndrome. Pediatr Nephrol. 2006 Sep;21(9):1257-65. Epub 2006 Jun 30. |

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