

Technical Data Sheet

Product **Anti-Hu beta2-Microglobulin Purified**

Cat. Number/Size **11-237-C025** **0.025 mg**  
**11-237-C100** **0.1 mg**

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

Antigen	beta2-Microglobulin
Clone	B2M-01
Format	Purified
Reactivity	Human
Negative species	Rabbit, Dog, Mouse, Cow, Chicken
Application	FC (QC tested), IP, WB, IHC(P), ICC, ELISA, RIA
Application details	Western blotting: Recommended dilution: 2-4 µg/ml; positive control: U937 human histiocytic lymphoma cell line, RAJI human Burkitt lymphoma cell line, negative control: EL4 mouse lymphoblastic lymphoma cell line; both reducing and non-reducing conditions. Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml; positive tissue: kidney glomeruli. Flow cytometry: Recommended dilution: 0.5-4 µg/ml; positive control: peripheral blood lymphocytes, negative control: DAUDI human Burkitt lymphoma cell line, erythrocytes. ELISA: Working dilution should be determined by investigator. RIA: Use at an assay dependent concentration. The dissociation constant of the antibody soluble beta2-microglobulin is $1.5 \times 10^{-8}$ mol/l as determined by competitive RIA. Immunoprecipitation: The antibody B2M-01 coprecipitates beta2-microglobulin (12 kDa) and HLA antigens (45 kDa) from the lysates of human lymphoid cells.
Isotype	Mouse IgG2a
Specificity	The mouse monoclonal antibody B2M-01 reacts with beta2-microglobulin (beta2M; extracellular antigen), associated with cell-surface MHC Class I molecules and other membrane antigens, as well as it reacts 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.
Other names	B2M
Immunogen	Purified human beta2-microglobulin
Entrez Gene ID	567
Gene name	B2M
NCBI Full Gene Name	beta-2-microglobulin
UniProt ID	P61769

Concentration	1 mg/ml
Preparation	Purified by protein-A affinity chromatography.
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage and handling	Store at 2-8°C. Do not freeze.

Images and References [www.exbio.cz](http://www.exbio.cz)

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