



	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 x 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	

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