

Monoclonal Antibody to Beta-2-microglobulin - FITC

Alternate names:	B2M, Beta 2 microglobulin, Beta-2 microglobulin
Catalog No.:	BM604F
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	b2M 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.
Uniprot ID:	P61769
NCBI:	NP_004039.1
GeneID:	567
Host / Isotype:	Mouse / IgG2a
Clone:	B2M-01
Immunogen:	Purified human beta2-Microglobulin.
Format:	State: Liquid purified Ig fraction Buffer System: PBS, pH~7.4 containing 15 mM Sodium Azide as preservative. Label: FITC – Fluorescein isothiocyanate The reagent is free of unconjugated
Applications:	Immunofluorescence. Flow Cytometry (1/200). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody reacts with beta2-Microglobulin associated with cell-surface MHC Class I molecules and other membrane antigens as well as with soluble beta2-Microglobulin.
Species Reactivity:	Tested: Human. Negative with Mouse, Bovine, Canine (Dog), Rabbit and Chicken.
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. 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. 2. 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.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com