ARG62677
anti-beta 2 Microglobulin antibody [B2M-01] (FITC)

Package: 100 µg
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [B2M-01] recognizes beta 2 Microglobulin
Tested Reactivity	Hu
Species Does Not React With	Ms, Bov, Chk, Dog, Rb
Tested Application	FACS
Specificity	The clone 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._x000D_
Host	Mouse
Clonality	Monoclonal
Clone	B2M-01
Isotype	IgG2a
Target Name	beta 2 Microglobulin
Species	Human
Immunogen	Purified human beta2-microglobulin
Conjugation	FITC
Alternate Names	Beta-2-microglobulin

Application Instructions

Application table

Application	Dilution
FACS	1 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

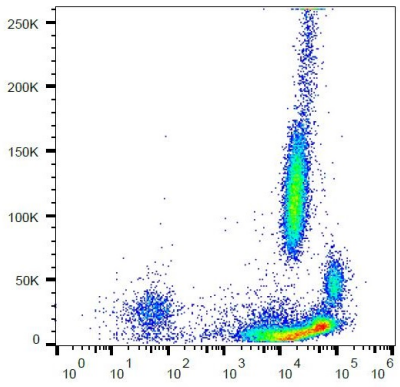
Form	Liquid
Purification Note	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be

	gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 567 Human Swiss-port # P61769 Human
Gene Symbol	B2M
Gene Full Name	beta-2-microglobulin
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.
Function	Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system. [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody
Calculated Mw	14 kDa
PTM	Glycation of Ile-21 is observed in long-term hemodialysis patients.

Images



ARG62677 anti-beta 2 Microglobulin antibody [B2M-01] (FITC) FACS image

Flow Cytometry: Human peripheral blood stained with ARG62677 anti-beta 2 Microglobulin antibody [B2M-01] (FITC).