

ARG62679 anti-beta 2 Microglobulin antibody [B2M-02] (Biotin)

Package: 100 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Mouse Monoclonal antibody [B2M-02] recognizes beta 2 Microglobulin
Tested Reactivity	Hu, Pig
Tested Application	FACS
Specificity	The clone B2M-02 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-02
Isotype	IgG1
Target Name	beta 2 Microglobulin
Species	Human
Immunogen	Purified isolated human beta2-microglobulin.
Conjugation	Biotin
Alternate Names	Beta-2-microglobulin

Application Instructions

Application table	Application	Dilution
	FACS	1 - 2 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 Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
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: 397033 Pig](#)

[GeneID: 567 Human](#)

[Swiss-port # P61769 Human](#)

[Swiss-port # Q07717 Pig](#)

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

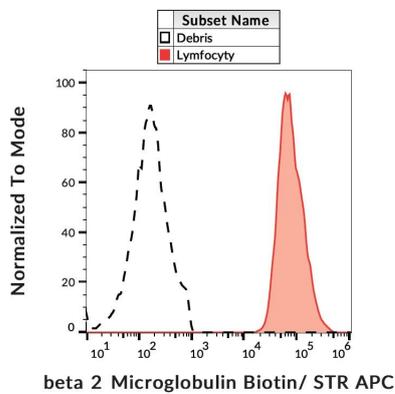
Calculated Mw

14 kDa

PTM

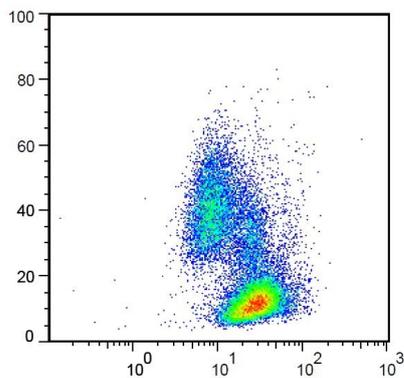
Glycation of Ile-21 is observed in long-term hemodialysis patients.

Images



ARG62679 anti-beta 2 Microglobulin antibody [B2M-02] (Biotin)
FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG62679 anti-beta 2 Microglobulin antibody [B2M-02] (Biotin), followed by Streptavidin (APC).



ARG62679 anti-beta 2 Microglobulin antibody [B2M-02] (Biotin)
FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG62679 anti-beta 2 Microglobulin antibody [B2M-02] (Biotin).