

Datasheet for ABIN93901
anti-beta-2 Microglobulin antibody (Biotin)[3 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	beta-2 Microglobulin (B2M)
Reactivity:	Human, Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This beta-2 Microglobulin antibody is conjugated to Biotin
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Purified isolated human beta2-microglobulin.
Clone:	B2M-02
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody B2M-02 reacts with beta2-microglobulin (beta2M), an 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.
Cross-Reactivity (Details):	Human, Porcine
Purification:	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.

Target Details

Target:	beta-2 Microglobulin (B2M)
Alternative Name:	beta2-Microglobulin (B2M Products)
Background:	Beta-2-microglobulin,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.,B2M
Gene ID:	567
UniProt:	P61769
Pathways:	TCR Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-2 µg/mL, positive control: PBL cell line, negative control: DAUDI human lymphoma cell line, erythrocytes.
Comment:	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Restrictions:	For Research Use only

Handling

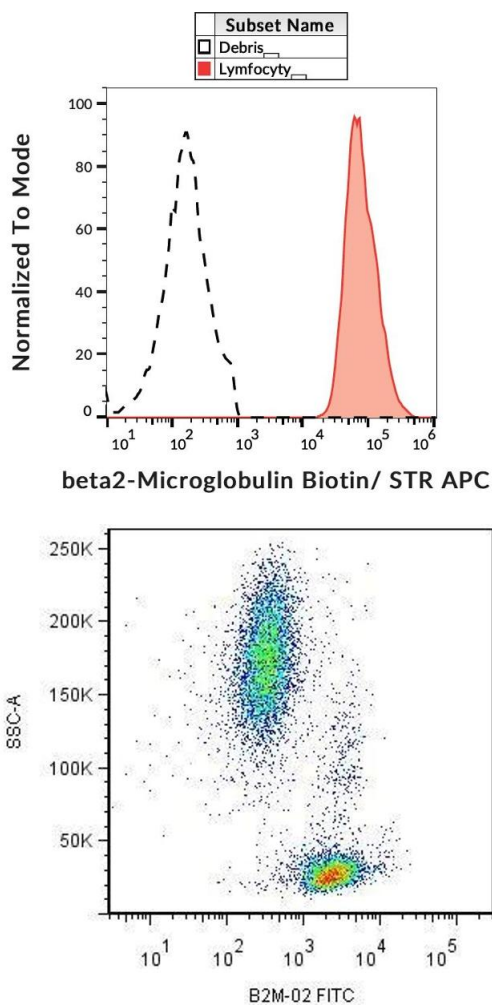
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in: Drbal, Angelisová, Hilgert, Cerný, Novák, Horejsí: "A proteolytically truncated form of free CD18, the common chain of leukocyte integrins, as a novel marker of activated myeloid cells." in: **Blood**, Vol. 98, Issue 5, pp. 1561-6, (2001) ([PubMed](#)).

Hilgert, Horejsí, Kristofová: "The use of murine monoclonal antibody B2M-01 for detection and purification of human beta 2-microglobulin." in: **Folia biologica**, Vol. 30, Issue 6, pp. 369-76, (1985) ([PubMed](#)).

Images

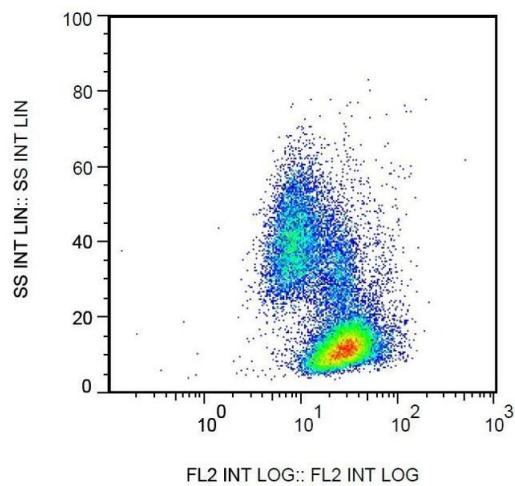


Flow Cytometry

Image 1. Flow cytometry (surface staining) of human peripheral blood cells by mouse monoclonal anti-beta2-microglobulin antibody B2M-02 biotin.

Flow Cytometry

Image 2. Surface staining of human peripheral blood cells by mouse monoclonal anti-beta2-microglobulin antibody B2M-02 .



Flow Cytometry

Image 3. Surface staining of human peripheral blood cells by mouse monoclonal anti-beta2-microglobulin antibody B2M-02 biotin.