

## Datasheet

### **B2M monoclonal antibody, clone B2M-01 (FITC)**

**Catalog Number:** MAB5021

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against B2M.

**Clone Name:** B2M-01

**Immunogen:** Purified human B2M.

**Host:** Mouse

**Reactivity:** Human

**Applications:** Flow Cyt  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** This antibody reacts with beta2-microglobulin (B2M) associated with cell-surface MHC Class I molecules and other membrane antigens as well as with soluble beta2-microglobulin.

**Form:** Liquid

**Conjugation:** FITC

**Concentration:** 1 mg/mL

**Isotype:** IgG2a

**Recommend Usage:** Flow Cytometry (1:200)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH 7.4 (0.09% sodium azide)

**Storage Instruction:** Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 567

**Gene Symbol:** B2M

**Gene Alias:** -

**Gene Summary:** This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia]

#### **References:**

1. Urine proteomic profiling of pediatric nephrotic syndrome. Khurana M, Traum AZ, Aivado M, Wells MP, Guerrero M, Grall F, Libermann TA, Schachter AD. *Pediatr Nephrol.* 2006 Sep;21(9):1257-65. Epub 2006 Jun 30.
2. The use of murine monoclonal antibody B2M-01 for detection and purification of human beta 2-microglobulin. Hilgert I, Horejsi V, Kristofova H. *Folia Biol (Praha).* 1984;30(6):369-76.