

## Recombinant B2M/beta-2 microglobulin Monoclonal Antibody

catalog number: AN300018P

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

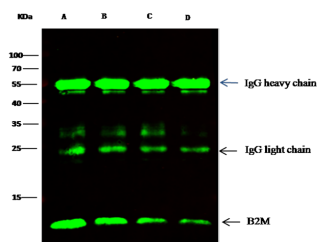
<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human B2M / beta-2 microglobulin protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	5A3
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 µm filtered solution in PBS

### Applications

### Recommended Dilution

<b>WB</b>	1:500-1:1000
<b>IP</b>	0.2-1 µL/mg of lysate

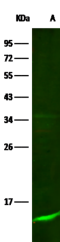
### Data



Immunoprecipitation analysis using 0.5 µL anti-B2M Monoclonal Antibody and 15 µL of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using B2M Monoclonal Antibody at a dilution of 1:500. Lane A: 0.5 mg HL-60 Whole Cell Lysate, Lane B: 0.5 mg A431 Whole Cell Lysate, Lane C: 0.5 mg HeLa Whole Cell Lysate, Lane D: 0.5 mg Raji Whole Cell Lysate

**Observed-MW: 14 kDa**

**Calculated-MW: 14 kDa**



Western Blot with B2M / beta-2 microglobulin Monoclonal Antibody at dilution of 1:500. Lane A: HeLa Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

**Observed-MW: 14 kDa**

**Calculated-MW: 14 kDa**

### Preparation & Storage

<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Ice bag

### Background

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. The encoded antimicrobial protein displays antibacterial activity in amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.

### For Research Use Only