

## Product Details

### Summary

<b>Product name</b>	Anti B2M mouse monoclonal antibody(1F6)
<b>description</b>	<p>B2M, also known as <math>\beta</math>2-Microglobulin or CDABP92, is a component of MHC class I molecules found expression in all nucleated cells (excludes red blood cells). The major function of MHC class I molecules is to display fragments of proteins from within the cell to T-cells and cells containing foreign proteins will be attacked. B2M (<math>\beta</math>2-Microglobulin) is a low molecular weight protein. It was demonstrated that B2M (<math>\beta</math>2-Microglobulin) was localized in the membranes of nucleated cells and was found to be associated with HL-A antigens. B2M(<math>\beta</math>2- Microglobulin) is present in free form in various body fluids and as a subunit of histocompatibility antigens on cell surfaces lateral to the <math>\alpha</math>3 chain. Unlike <math>\alpha</math>3, <math>\beta</math>2 has no transmembrane region. Directly above <math>\beta</math>2 lies the <math>\alpha</math>1 chain, which itself is lateral to the <math>\alpha</math>2. In the absence of B2M(<math>\beta</math>2 microglobulin), very limited amounts of MHC class I (classical and non-classical) molecules can be detected on the surface. In the absence of MHC class I, CD8 T cells, a subset of T cells involved in the development of acquired immunity cannot develop. Low levels of B2M(<math>\beta</math>2 microglobulin) can indicate non-progression of HIV.</p>
<b>Alternative names</b>	B2M, Beta-2-microglobulin
<b>Endotoxin level</b>	Please contact with the lab for this information.
<b>Stability &amp; Storage</b>	<p>Use a manual defrost freezer and avoid repeated freeze thaw cycles.</p> <p>Store at 2 to 8 °C for one week .</p> <p>Store at -20 to -80 °C for twelve months from the date of receipt.</p>
<b>Source</b>	Ascites
<b>Isotype</b>	IgG1
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone No.</b>	1F6
<b>Conjugation</b>	Unconjugated



**Catalog Number:ATMA10012Mo**

**Anti B2M mouse monoclonal antibody(1F6)**

<b>Species reactivity</b>	Homo sapiens (Human)
<b>Tested applications</b>	IHC,ELISA
<b>Immunogen</b>	Recombinant protein of full length human beta-2-microglobulin

## Product performance

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<b>Form</b>	Liquid
<b>Buffer</b>	PBS, pH7.4, containing 0.02% NaN <sub>3</sub> , 50% glycerol.
<b>Concentration</b>	Please refer to the instruction in the hard copy of COA.

## Note

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For research use only.

