

## B2M Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant B2M.  
Catalog # AT1251a

### Product Information

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<b>Application</b>	WB, IHC, IF, E
<b>Primary Accession</b>	<a href="#">P61769</a>
<b>Other Accession</b>	<a href="#">BC032589</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2b kappa
<b>Clone Names</b>	3F9-2C2
<b>Calculated MW</b>	13715

### Additional Information

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<b>Gene ID</b>	567
<b>Other Names</b>	Beta-2-microglobulin, Beta-2-microglobulin form pI 53, B2M
<b>Target/Specificity</b>	B2M (AAH32589, 1 a.a. ~ 119 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	B2M Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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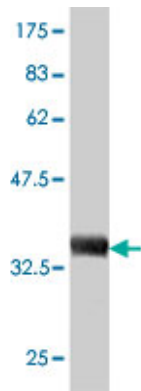
This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. A mutation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

### References

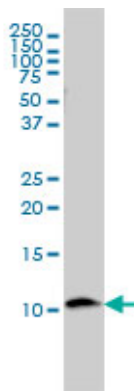
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1.MHC-I expression renders catecholaminergic neurons susceptible to T-cell-mediated degeneration.Cebrian C, Zucca FA, Mauri P, Steinbeck JA, Studer L, Scherzer CR, Kanter E, Budhu S, Mandelbaum J, Vonsattel JP, Zecca L, Loike JD, Sulzer DNat Commun. 2014 Apr 16;5:3633. doi: 10.1038/ncomms4633.

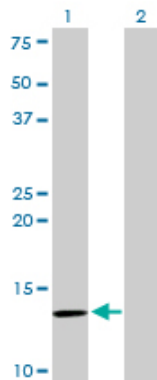
## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.83 KDa) .

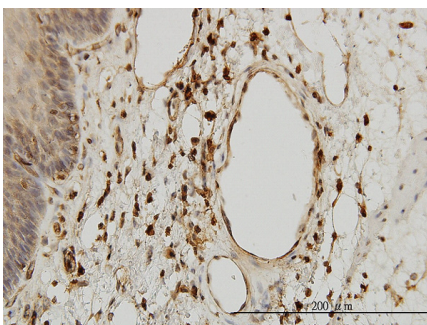


B2M monoclonal antibody (M01), clone 3F9-2C2 Western Blot analysis of B2M expression in U-2 OS ( (Cat # AT1251a )



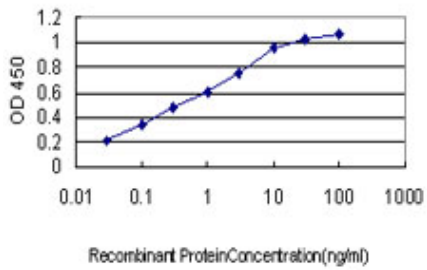
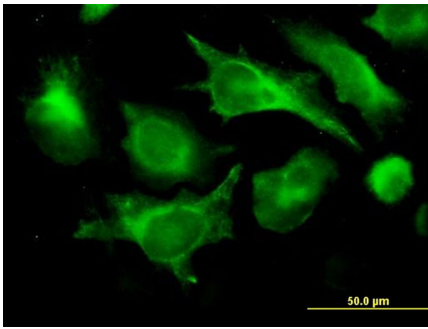
Western Blot analysis of B2M expression in transfected 293T cell line by B2M monoclonal antibody (M01), clone 3F9-2C2.

Lane 1: B2M transfected lysate(13.7 KDa).  
Lane 2: Non-transfected lysate.

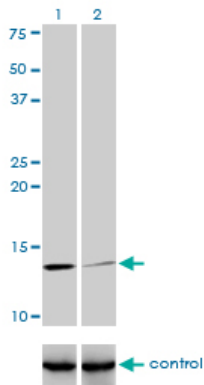


Immunoperoxidase of monoclonal antibody to B2M on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 3 ug/ml]

Immunofluorescence of monoclonal antibody to B2M on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged B2M is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of B2M over-expressed 293 cell line, cotransfected with B2M Validated Chimera RNAi (Cat # AT1251a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.