

B2M Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant B2M.

Catalog # AT1251a

Specification

B2M Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, IF, E
Primary Accession	P61769
Other Accession	BC032589
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b kappa
Calculated MW	13715

B2M Antibody (monoclonal) (M01) - Additional Information

Gene ID 567

Other Names

Beta-2-microglobulin, Beta-2-microglobulin form pl 53, B2M

Target/Specificity

B2M (AAH32589, 1 a.a. ~ 119 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

B2M Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

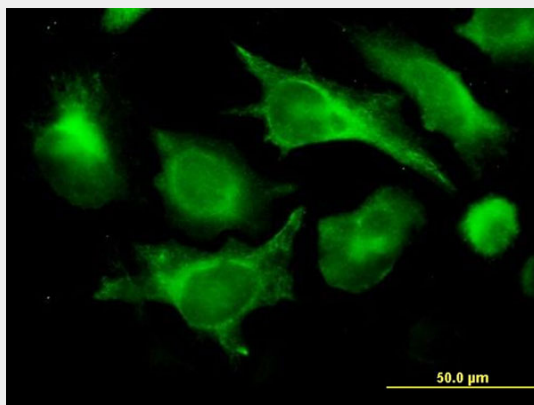
B2M Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

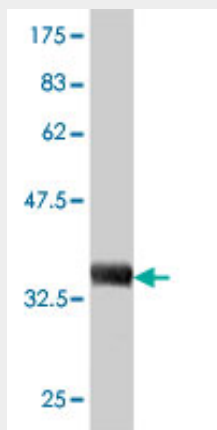
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

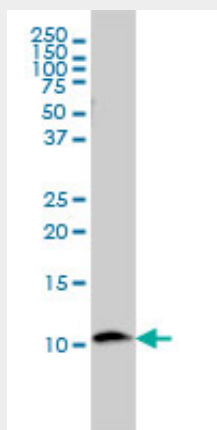
B2M Antibody (monoclonal) (M01) - Images



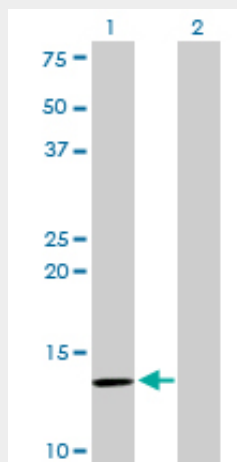
Immunofluorescence of monoclonal antibody to B2M on HeLa cell. [antibody concentration 10 ug/ml]



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



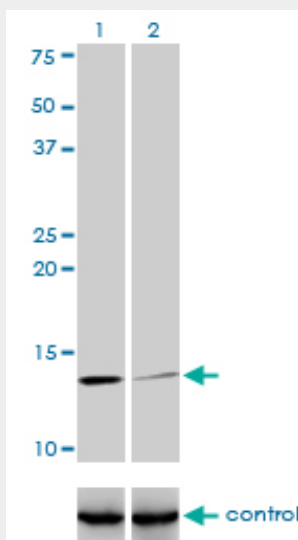
B2M monoclonal antibody (M01), clone 3F9-2C2 Western Blot analysis of B2M expression in U-2 OS ((Cat # AT1251a)



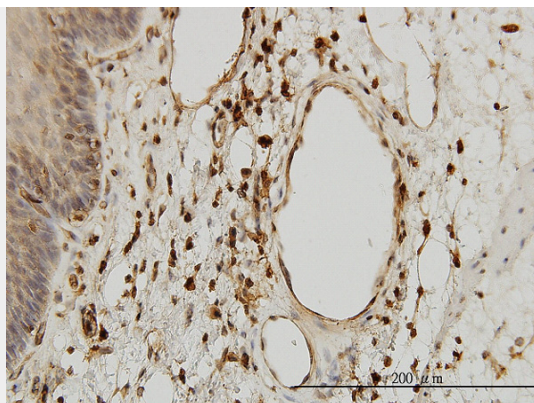
Western Blot analysis of B2M expression in transfected 293T cell line by B2M monoclonal antibody (M01), clone 3F9-2C2.

Lane 1: B2M transfected lysate(13.7 KDa).

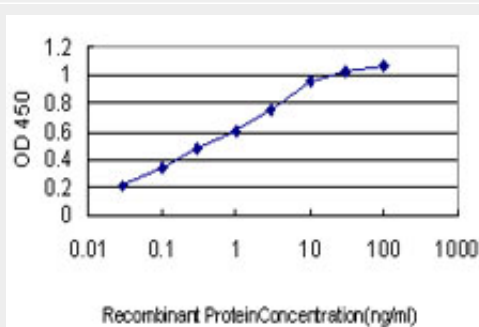
Lane 2: Non-transfected lysate.



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



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



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

B2M Antibody (monoclonal) (M01) - 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. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.

B2M Antibody (monoclonal) (M01) - References

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.