

Datasheet: VMA00003KT

Description:	BETA 2 MICROGLOBULIN ANTIBODY WITH CONTROL LYSATE
Specificity:	BETA 2 MICROGLOBULIN
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG1
Quantity:	2 Westerns

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	20µl Mouse monoclonal antibody purified by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 5% Glycerol
Immunogen	Highly pure human beta 2 microglobulin from urine
External Database Links	UniProt: P61769 Related reagents

Entrez Gene:

[567](#) B2M [Related reagents](#)

Specificity **Mouse anti Human beta 2 microglobulin antibody** recognizes native human beta 2 microglobulin, a 119 amino acid component of MHC class I molecules present on all nucleated cells, containing a single [Ig-like C1 type](#) domain. Levels of beta 2 microglobulin can be used to assess renal function in kidney transplant recipients ([Woo et al. 2014](#)). Also known as B2M, it has been suggested that this protein can be used as a prognostic marker for HIV infection ([Halota et al. 2002](#)).

Mouse anti Human beta 2 microglobulin antibody recognizes β 2 microglobulin as a band of ~12 kDa in HeLa cell lysates.

Western Blotting Anti beta 2 microglobulin antibody detects a band of approximately 12 kDa in HeLa cell lysates.

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Lysate Composition 400 μ g HeLa lysate lyophilized in RIPA buffer.

Lysate Reconstitution - If using DDT reconstitute the lyophilized lysate with 190 μ l DI H₂O, add 200 μ l 2x Laemmli Sample Buffer and 10 μ l 2M DTT.
- If using BME reconstitute the lyophilized lysate with 180 μ l DI H₂O, add 200 μ l 2x Laemmli Sample Buffer and 20 μ l BME.
Heat at 95°C for 5 minutes. For 10 well mini gels load 25 μ l. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee As supplied, 12 months from date of despatch.

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10049 #10561 available at:
Antibody (10049): <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

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