

## Datasheet: PHP135

<b>Description:</b>	PURIFIED HUMAN BETA 2 MICROGLOBULIN
<b>Name:</b>	BETA 2 MICROGLOBULIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	1 mg

### 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Human beta -2 microglobulin - lyophilised
<b>Reconstitution</b>	Reconstitute with 1.0ml sterile PBS Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
<b>Preparation</b>	Human beta-2 microglobulin was prepared from urine from patients with renal tubular proteinuria.
<b>Buffer Solution</b>	Ammonium bicarbonate
<b>Preservative Stabilisers</b>	None present
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P61769</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b>

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**Product Information** **native beta-2 microglobulin** is a component of MHC class I molecules, which are present on all nucleated cells. Levels of beta-2 microglobulin can be used to assess renal function in kidney transplant recipients. Also known as B2M, it has been suggested that this protein can be used as a prognostic marker for HIV infection.

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**Protein Molecular Weight** 12 kDa

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**Purity** >98% by SDS-PAGE

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**References** 1. Miles, J.J. *et al.* (2018) Peptide mimic for influenza vaccination using nonnatural combinatorial chemistry. [J Clin Invest. 128 \(4\): 1569-80.](#)

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**Storage** Store at +4°C. DO NOT FREEZE.  
Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 3 months from date of reconstitution

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**Health And Safety Information** Material Safety Datasheet documentation #10261 available at:  
10261: <https://www.bio-rad-antibodies.com/uploads/MSDS/10261.pdf>

Donor material tested and found negative for HIV1 and 2 antibodies, HBsAg, HCV antibodies and HIV antigen P24.

As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious

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**Regulatory** For research purposes only

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**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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