

## Datasheet: PHP135

**BATCH NUMBER 165103**

<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 - lyophilized
<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>Preservative Stabilisers</b>	None present

#### External Database Links

##### UniProt:

[P61769](#)

[Related reagents](#)

##### Entrez Gene:

---

**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.

---

**Protein Molecular Weight** 12 kDa

---

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

---

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

---

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

---

**Guarantee** Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

---

**Health And Safety Information** Material Safety Datasheet documentation #10268 available at:  
<https://www.bio-rad-antibodies.com/SDS/PHP135>  
10268

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

---

**Regulatory** For research purposes only

---

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

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M411805:221107'

Printed on 29 Aug 2024

---