

Datasheet: PHP135

BATCH NUMBER 050215

Description:	PURIFIED HUMAN BETA 2 MICROGLOBULIN
Name:	BETA 2 MICROGLOBULIN
Format:	Purified
Product Type:	Purified Protein
Quantity:	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.

	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.

Target Species	Human
Product Form	Human beta -2 microglobulin - lyophilised
Reconstitution	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.
Preparation	Human beta-2 microglobulin was prepared from urine from patients with renal tubular proteinuria.
Buffer Solution	Ammonium bicarbonate
Preservative Stabilisers	None present
External Database Links	UniProt: P61769 Related reagents

Entrez Gene:

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

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 3 months from date of reconstitution

Health And Safety Information Material Safety Datasheet documentation #10261 available at:
<https://www.bio-rad-antibodies.com/SDS/PHP13510261>

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

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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)

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