Datasheet: 6220-1004

BATCH NUMBER 162642

Description:	NATIVE HUMAN ALPHA 1 MICROGLOBULIN
Name:	ALPHA 1 MICROGLOBULIN
Other names:	AMBP
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	▪			

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 the appropriate negative/positive controls.

Target Species

Human

Product Form

Purified protein from the urine of patients with chronic renal tubular proteinuria - lyophilized

Reconstitution

Reconstitute with 1.0ml sterile phosphate buffered saline (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

Purified Alpha 1 Microglobulin prepared by a combination of ion exchange, affinity and size exclusion chromatography.

Preservative Stabilisers

None present

Approx. Protein Concentrations

Total protein concentration 1.0mg/ml after reconstitution.

External Database Links	**UniProt:** P02760 Related reagents **Entrez Gene:** 259 AMBP Related reagents
Synonyms	HCP, ITIL
Product Information	**Native Human alpha 1 microglobulin** is native human Alpha-1-Microglobulin, a secreted peptide thought to play a role in the regulation of inflammatory processes. This product runs at approximately 27 kDa under reducing conditions and as a dimer at approximately 54 kDa under non-reducing conditions.
Purity	>96% by SDS PAGE
References	1. Weyer, K. *et al.* (2013) Renal uptake of 99mTc-dimercaptosuccinic acid is dependent on normal proximal tubule receptor-mediated endocytosis. J Nucl Med. 54 (1): 159-65.
Storage	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10268 available at: https://www.bio-rad-antibodies.com/SDS/6220-1004 10268 Donor material tested and found negative for HIV1 and 2 antibodies, HBsAg and HCV antibodies. 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

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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