

## Datasheet: 6220-1004

<b>Description:</b>	NATIVE HUMAN ALPHA 1 MICROGLOBULIN
<b>Name:</b>	ALPHA 1 MICROGLOBULIN
<b>Other names:</b>	AMBP
<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	▪			

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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified protein from the urine of patients with chronic renal tubular proteinuria - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Purified Alpha 1 Microglobulin prepared by a combination of ion exchange, affinity and size exclusion chromatography.
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Total protein concentration 1.0mg/ml after reconstitution.
<b>External Database Links</b>	<b>UniProt:</b>

**Entrez Gene:**

[259](#)   AMBP   [Related reagents](#)

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**Synonyms**      HCP, ITIL

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**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.

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**Purity**              >96% by SDS PAGE

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**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.](#)

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**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.

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**Guarantee**             Guaranteed until date of expiry. Please see product label.

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**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

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**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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