

Datasheet: 7600-0604

**BATCH NUMBER 163580**

<b>Description:</b>	NATIVE HUMAN PREALBUMIN
<b>Name:</b>	PREALBUMIN
<b>Other names:</b>	TRANSTHYRETIN
<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 appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified protein from human serum - lyophilized
<b>Reconstitution</b>	Reconstitute with 1.0 ml 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>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Total protein concentration 1.0 mg/ml after reconstitution.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P02766</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p>

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**Synonyms**

PALB

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**Product Information**

**Native human prealbumin**, also known as transthyretin, is a homotetrameric serum and cerebrospinal fluid protein which acts as a carrier for the thyroid hormone thyroxine. Each monomer is a 127 amino acid polypeptide. Prealbumin is synthesised principally in the liver and choroid plexus from where it is secreted into the serum and cerebrospinal fluid respectively.

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**Protein Molecular Weight**

60 kDa (tetramer)

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**Purity**

>96%

SDS-PAGE confirms prealbumin as the major component. Under certain conditions dimer and monomer subunits can be seen. Cellulose acetate electrophoresis shows one band only with a higher electrophoretic mobility than albumin.

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**References**

1. Clement, C.C. *et al.* (2016) Autoimmune response to transthyretin in juvenile idiopathic arthritis. [JCI Insight. 1 \(2\): e85633.](#)
  2. Cheng, S. *et al.* (2021) Novel blood test for early biomarkers of preeclampsia and Alzheimer's disease. [Sci Rep. 11 \(1\): 15934.](#)
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**Storage**

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. 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/7600-0604>  
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

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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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