

Datasheet: 7600-0604

**BATCH NUMBER 161374**

<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>Buffer Solution</b>	0.02M Ammonium bicarbonate (NH <sub>4</sub> HCO <sub>3</sub> ).
<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>	<b>UniProt:</b> <a href="https://www.uniprot.org/entry/P02766">P02766</a> <a href="#">Related reagents</a>

**Entrez Gene:**

[7276](#) TTR [Related reagents](#)

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<b>Synonyms</b>	PALB
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<b>Product Information</b>	<b>Native human prealbumin</b> , 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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<b>Protein Molecular Weight</b>	60 kDa (tetramer)
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<b>Purity</b>	>96%
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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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<b>References</b>	<ol style="list-style-type: none"><li>1. Clement, C.C. <i>et al.</i> (2016) Autoimmune response to transthyretin in juvenile idiopathic arthritis. <a href="#">JCI Insight. 1 (2): e85633.</a></li><li>2. Cheng, S. <i>et al.</i> (2021) Novel blood test for early biomarkers of preeclampsia and Alzheimer's disease. <a href="#">Sci Rep. 11 (1): 15934.</a></li></ol>
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<b>Storage</b>	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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<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10517 available at: <a href="https://www.bio-rad-antibodies.com/SDS/7600-0604">https://www.bio-rad-antibodies.com/SDS/7600-0604</a> 10517  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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<b>Regulatory</b>	For research purposes only
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