

Datasheet: 7600-0604

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

Target Species	Human
Product Form	Purified protein from human serum - lyophilized
Reconstitution	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.
Preservative Stabilisers	None present
Approx. Protein Concentrations	Total protein concentration 1.0 mg/ml after reconstitution.
External Database Links	<p>UniProt: P02766 Related reagents</p> <p>Entrez Gene: 7276 TTR Related reagents</p>

Synonyms PALB

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.

Protein Molecular Weight 60 kDa (tetramer)

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.

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.](#)

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.

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/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

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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