

Datasheet: 7600-0604

BATCH NUMBER 160912

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.
Buffer Solution	0.02M Ammonium bicarbonate (NH ₄ HCO ₃).
Preservative Stabilisers	None present
Approx. Protein Concentrations	Total protein concentration 1.0 mg/ml after reconstitution.
External Database Links	UniProt: P02766 Related reagents

Entrez Gene:[7276](#) TTR [Related reagents](#)**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 -20°C only.
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 #10517 available at:
<https://www.bio-rad-antibodies.com/SDS/7600-0604>
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

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

'M362545:200514'

Printed on 18 Jan 2024

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