

Datasheet: 7600-0604

BATCH NUMBER 163253

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:</p> <p>P02766 Related reagents</p> <p>Entrez Gene:</p>

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%
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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.

References	<ol style="list-style-type: none">1. Clement, C.C. <i>et al.</i> (2016) Autoimmune response to transthyretin in juvenile idiopathic arthritis. JCI Insight. 1 (2): e85633.2. Cheng, S. <i>et al.</i> (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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