

Human Prealbumin Reference Standard

Cat. No. TTR-21H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	Prealbumin, also known Transthyretin, is a tetrameric human plasma protein that is synthesized mainly in the liver. This protein transports the thyroid hormone thyroxine (T4) and retinol (Vitamin A). It is the best indicator of protein-energy malnutrition because it has a circulating half life of 2 days and responds rapidly to changes in nutritional status. Also point-mutations of its gene are known to be associated with the amyloid diseases senile systemic amyloidosis (SSA), familial amyloid polyneuropathy (FAP), and familial amyloid cardiomyopathy (FAC).
Form	Liquid
Usage	For research use only, not for diagnostic or therapeutic use.
Quality Control Test	Generated from a human serum pool. This lot has been tested by standard laboratory procedures and found to be negative for HIV 1, HIV 2, Hepatitis B and Hepatitis C.
Storage	Stored at -20 °C, 4 °C for less than seven days, frozen for greater than seven days.
Concentration	95.26 ug/ml
Preservative	0.1% sodium azide

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GENE INFORMATION

Gene Name	TTR transthyretin [Homo sapiens]
Official Symbol	TTR
Synonyms	TTR; transthyretin; PALB, prealbumin, amyloidosis type I; HsT2651; ATTR; carpal tunnel syndrome 1; thyroxine-binding prealbumin; prealbumin, amyloidosis type I; CTS; CTS1; PALB; TBPA;
Gene ID	7276
mRNA Refseq	NM_000371
Protein Refseq	NP_000362
MIM	176300
UniProt ID	P02766
Chromosome Location	18q12.1
Pathway	Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem;
Function	hormone activity; hormone binding; protein binding;

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