

Datasheet for ABIN5510681  
**SERPINA7 ELISA Kit**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	96 tests
Target:	SERPINA7
Binding Specificity:	AA 21-415
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

## Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Serpin A7
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: A21-A415
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Expressed by the liver and secreted in plasma.

## Target Details

Target:	SERPINA7
Alternative Name:	SERPINA7 ( <a href="#">SERPINA7 Products</a> )

## Target Details

Background:	<p>Protein Function: Major thyroid hormone transport protein in serum.</p> <p>Background: Thyroxine-binding globulin (TBG), also known as SERPINA7, is the major thyroid hormone transport protein in serum. There are three proteins including thyroxine-binding globulin (TBG), transthyretin and albumin responsible for carrying the thyroid hormones thyroxine (T4) and 3,5,3'-triiodothyronine (T3) in the bloodstream. This gene belongs to the serpin family in genomics, but the protein has no inhibitory function like many other members of the serpin family. Mutations in this gene result in TGB deficiency, which has been classified as partial deficiency, complete deficiency, and excess, based on the level of serum TBG.</p> <p>Alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of these variants has not been determined. Using DNA blot hybridization, it is detected that there is a single-copy TBG gene located on the long arm of the X chromosome.</p> <p>Synonyms: Thyroxine-binding globulin,Serpin A7,T4-binding globulin,SERPINA7,TBG,</p> <p>Full Gene Name: Thyroxine-binding globulin</p> <p>Cellular Localisation: Secreted.</p>
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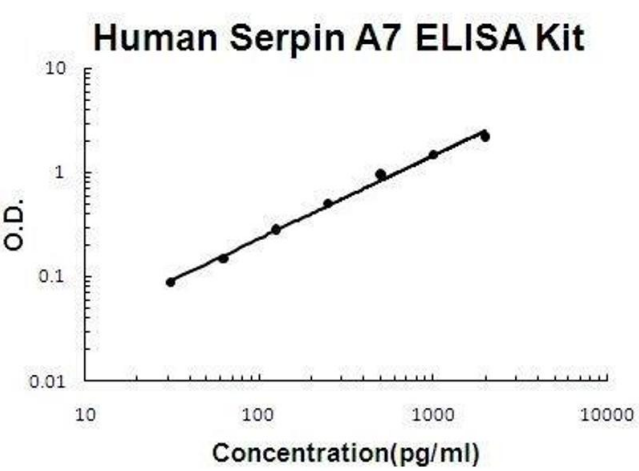
UniProt:	<a href="#">P05543</a>
Pathways:	<a href="#">Hormone Transport</a>

## Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



**ELISA**

**Image 1.** Human Serpin A7 PicoKine ELISA Kit standard curve