

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Serpin A7/TBG in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human Serpin A9 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Serpin A7/TBG Ala21-Ala415 Accession # P05543
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Serpin A7 (also TBG/Thyroxine-binding globulin and T4-binding globulin) is a secreted 54 kDa glycoprotein, non-inhibitory member of the serpin family of proteins. It is expressed by the liver and secreted in plasma. Mutations in the SERPINA7 gene can result in a whole spectrum of deficiencies, characterized by either reduced or increased TBG levels in the serum. A deficiency in TBG result in low serum total T4 and T3 count in clinically euthyroid subjects in the presence of normal serum TSH. Over aa21-415, human serpin A7 shares 76% aa sequence identity with mouse serpin A7.

PRODUCT SPECIFIC NOTICES

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