

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Transthyretin/Prealbumin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 760430
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human Transthyretin/Prealbumin
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunocytochemistry	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

Transthyretin (TTR), previously called thyroxine-binding prealbumin, is a 55 kDa homotetramer of 14-15 kDa monomers that is found in plasma. TTR is responsible for the transport of the thyroid hormone T4 and retinol binding protein (RBP). It slows renal clearance of T4 and RBP due to megalin-mediated re-uptake of TTR complexes in the renal tubules. TTR is also found in tissues including the brain. Numerous human polymorphisms have been associated with aggregates found in familial amyloidotic polyneuropathies (FAP). Mature human TTR shares 80% and 83% amino acid sequence identity with mouse and rat TTR, respectively.

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