

**Mouse Anti-Prealbumin/Transthyretin [MD358]: MC0649, MC0649RTU7**

**Intended Use:** For Research Use Only

**Description:** Prealbumin/Transthyretin/TTR is a hormone-binding protein that participates in the plasma transport of both thyroxine and retinol (vitamin A). Transthyretin concentrations are disproportionately high in human ventricular CSF. It is reported to be either selectively transported across or synthesized within the blood-CSF barrier. Over 80 different disease-causing mutations in transthyretin have been reported. The vast majority is inherited in an autosomal dominant manner and is related to amyloid deposition, affecting predominantly peripheral nerve and/or the heart. A small portion of transthyretin mutations are apparently non-amyloidogenic. The human amyloid disorders, familial amyloid polyneuropathy, familial amyloid cardiomyopathy and senile systemic amyloidosis, are caused by insoluble transthyretin fibrils. Transthyretin has a structural complementarity to double-helical DNA, where the proposed binding site is composed of two symmetry-related beta-sheets containing a pair of helically disposed arms.

**Specifications**

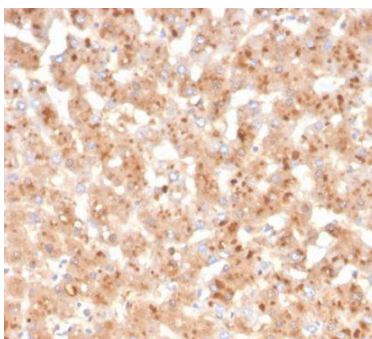
Clone: MD358  
 Source: Mouse  
 Isotype: IgG1k  
 Reactivity: Human  
 Immunogen: Recombinant human full-length protein  
 Localization: Cytoplasm, secreted  
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, WB  
 Package:

Description	Catalog No.	Size
Prealbumin/Transthyretin [MD358] Concentrated	MC0649	1 ml
Prealbumin/Transthyretin [MD358] Prediluted	MC0649RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue: Heart, liver  
 Concentrated Dilution: 25-200  
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human liver stained with anti-Prealbumin using DAB

**References:**

1. Prealbumin: The clinical utility and analytical methodologies. Ruvini NK Ranasinghe, et al. May 19, 2020.
2. Transthyretin (Prealbumin) and the Ambiguous Nature of Malnutrition. Jessica L Lee MD, et al. Journal of Hospital Medicine. 01 April 2019.
3. Transthyretin (prealbumin) in health and disease: nutritional implications. Y Ingenbleek, et al. Annu Rev Nutr. 14:495-533, 1994.