

**Product Name: TTR Mouse Monoclonal Antibody**  
**Catalog #: AMM81470**



## Summary

<b>Production Name</b>	TTR Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC, ICC, FC, ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	TTR
<b>Alternative Names</b>	CTS; CTS1; PALB; TBPA; HEL111; HsT2651
<b>Gene ID</b>	7276.0
<b>SwissProt ID</b>	P02766. Purified recombinant fragment of human TTR (AA: 1-147) expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	IHC:1:200-1:1000, ICC:1:200-1:1000, FC:1:200-1:400, ELISA:1:10000
<b>Molecular Weight</b>	15.9kDa

## Background

This gene encodes transthyretin, one of the three prealbumins including alpha-1-antitrypsin, transthyretin and

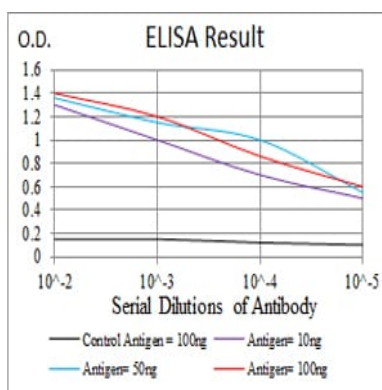
**Product Name: TTR Mouse Monoclonal Antibody**  
**Catalog #: AMM81470**



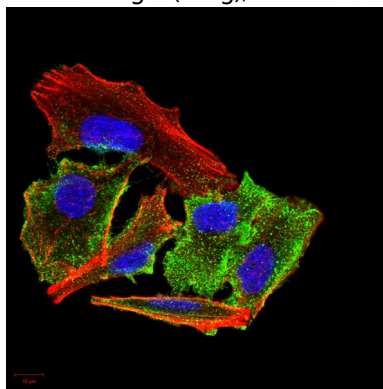
orosomuroid. Transthyretin is a carrier protein; it transports thyroid hormones in the plasma and cerebrospinal fluid, and also transports retinol (vitamin A) in the plasma. The protein consists of a tetramer of identical subunits. More than 80 different mutations in this gene have been reported; most mutations are related to amyloid deposition, affecting predominantly peripheral nerve and/or the heart, and a small portion of the gene mutations is non-amyloidogenic. The diseases caused by mutations include amyloidotic polyneuropathy, euthyroid hyperthyroxinaemia, amyloidotic vitreous opacities, cardiomyopathy, oculoleptomeningeal amyloidosis, meningocerebrovascular amyloidosis, carpal tunnel syndrome, etc. [provided by RefSeq, Jan 2009]<br />

## Research Area

## Image Data

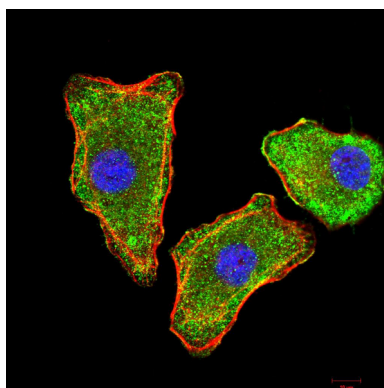


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

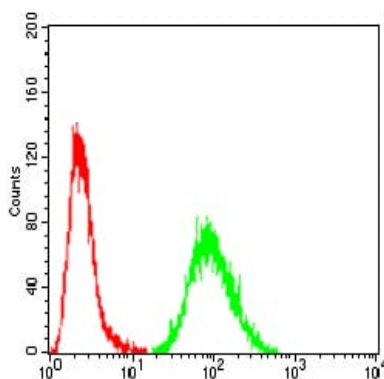


Immunofluorescence analysis of A549 cells using TTR mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

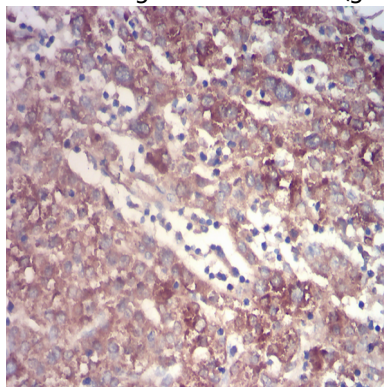
**Product Name: TTR Mouse Monoclonal Antibody**  
**Catalog #: AMM81470**



Immunofluorescence analysis of MCF-7 cells using TTR mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of A549 cells using TTR mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissues using TTR mouse mAb with DAB staining.

## Note

For research use only.