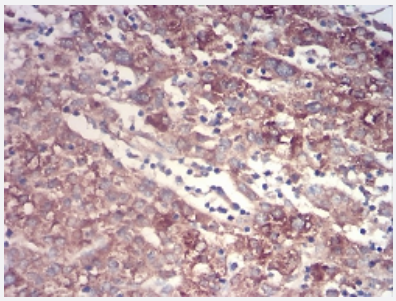
TTR monoclonal antibody, clone 2E10C5

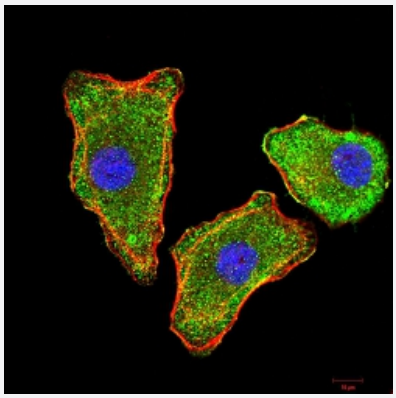
Catalog # MAB16697 Size 100 ug

Applications



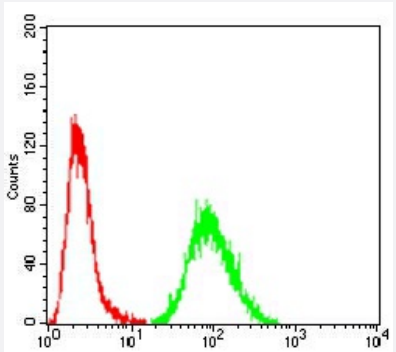
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded liver cancer tissues with TTR monoclonal antibody.



Immunocytochemistry

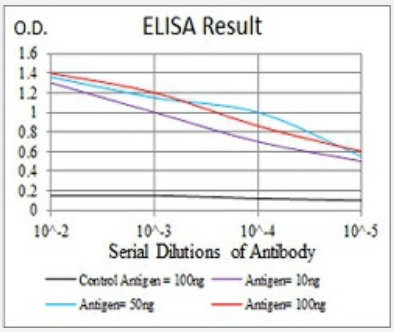
Immunocytochemical staining of MCF-7 cells with TTR monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).



Flow Cytometry

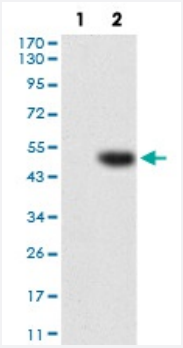
Flow cytometric analysis of A549 cells with TTR monoclonal antibody (green) and negative control (red).

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of TTR monoclonal antibody, clone 2E10C5.



Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: TTR-hIgGFc transfected HEK293 cell with TTR monoclonal antibody.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human TTR.
Immunogen	Recombinant protein corresponding to amino acid 1-147 of human TTR from *E. coli*.
Host	Mouse
Theoretical MW (kDa)	15.9
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of paraffin-embedded liver cancer tissues with TTR monoclonal antibody.

- Immunocytochemistry

  Immunocytochemical staining of MCF-7 cells with TTR monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments labeled with Alexa Fluor-555 phalloidin (red).

- Flow Cytometry

  Flow cytometric analysis of A549 cells with TTR monoclonal antibody (green) and negative control (red).

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of TTR monoclonal antibody, clone 2E10C5.

- Western Blot (Transfected lysate)

  Western blot analysis of Lane 1: HEK293 cell; Lane 2: TTR-hIgGFc transfected HEK293 cell with TTR monoclonal antibody.

Gene Info — TTR

Entrez GeneID	7276
Gene Name	TTR
Gene Alias	HsT2651, PALB, TBPA
Gene Description	transthyretin
Omim ID	176300
Gene Ontology	Hyperlink

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Summary	This gene encodes transthyretin, one of the three prealbumins including alpha-1-antitrypsin, transthyretin and orosomucoid. 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
Other Designations	prealbumin, amyloidosis type I|thyroxine-binding prealbumin

Disease

- Alzheimer disease
- Amyloid Neuropathies
- Amyloidosis
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Heart Diseases
- Kidney Failure
- Schizophrenia

Copyright © 2023 Abnova Corporation. All Rights Reserved.