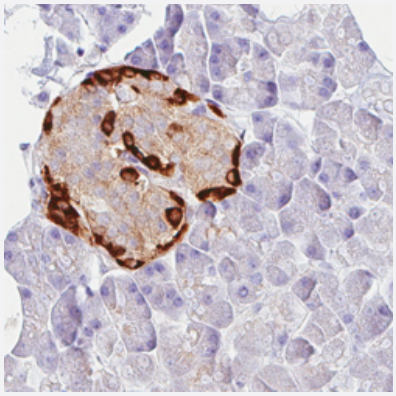
Sm Size

# TTR monoclonal antibody, clone CL0290

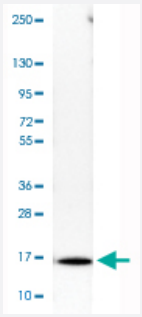
Catalog # MAB15593 Size 25 uL, 100 uL

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with TTR monoclonal antibody, clone CL0290 (Cat # MAB15593) shows moderate to strong cytoplasmic positivity in the islets of Langerhans.




### Western Blot (Tissue lysate)

Western Blot analysis of human plasma tissue lysate with TTR monoclonal antibody, clone CL0290 (Cat # MAB15593).

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against partial recombinant human TTR. |
| **Immunogen** | Recombinant protein corresponding to human TTR. |
| **Sequence** | GTGESKCPLMVKVLDAVRGSPAINVAVHVFRKAADDTWEPFASGKTSESGELHGLTTEEEFVEG IYKVEIDTKSYWKALGISPFHEHAEVVFTANDSGPRRYTIAALLSPYSYSTTAVVTNPKE |
| **Host** | Mouse |
| **Reactivity** | Human |

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| | |
|---|---|
| **Form** | Liquid |
| **Purification** | Protein A purification |
| **Isotype** | IgG1 |
| **Recommend Usage** | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:5000-1:10000)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide). |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **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 (Formalin-fixed paraffin-embedded sections) of human pancreas with TTR monoclonal antibody, clone CL0290 (Cat # MAB15593) shows moderate to strong cytoplasmic positivity in the islets of Langerhans.

- Western Blot (Tissue lysate)

  Western Blot analysis of human plasma tissue lysate with TTR monoclonal antibody, clone CL0290 (Cat # MAB15593).

## Gene Info — TTR

| | |
|---|---|
| **Entrez GeneID** | 7276 |
| **Protein Accession#** | P02766 |
| **Gene Name** | TTR |
| **Gene Alias** | HsT2651, PALB, TBPA |
| **Gene Description** | transthyretin |
| **Omim ID** | 176300 |
| **Gene Ontology** | Hyperlink |

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| | |
|---|---|
| **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

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