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| <b>Cat. No:</b>          | MABN81521  |
| <b>Conjugate:</b>        | Unconjugated   |
| <b>Size:</b>             | 100µL  |
| <b>Clone:</b>            | Monoclonal   |
| <b>Concentration:</b>    | 1mg/ml   |
| <b>Host:</b>             | Mouse  |
| <b>Isotype:</b>          | Mouse IgG1   |
| <b>Immunogen:</b>        | Purified recombinant fragment of human TTR (AA: 1-147) expressed in E. Coli. |
| <b>Reactivity:</b>       | Human  |
| <b>Applications:</b>     | ELISA 1:5000-1:20000,FC 1:200-1:400  |
| <b>Molecular Weight:</b> | 16kDa  |
| <b>Purification:</b>     | Affinity Purification  |
| <b>Synonyms:</b>         | CTS; CTS1; PALB; TBPA; HEL111; HsT2651                                       |

**Background:** 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.

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| <b>Form:</b>    | Liquid   |
| <b>Buffer:</b>  | Purified antibody in PBS with 0.05% sodium azide   |
| <b>Storage:</b> | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles. |

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