

Agrisera

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Product no **AS16 3112**
Transthyretin 39-44, amyloid specific

Product information

Background | **Transthyretin** is a carrier protein in plasma of the thyroid hormone. This protein forms a complex with retinol-binding protein and it has the capability of forming amyloid fibrils. 25% of individuals older than 80 years are affected by senile systemic amyloidosis and most cases of TTR-associated amyloidosis are linked to point mutations. A substitution of valine for methionine at position 30 of the 127-aa-long polypeptide is one of the most common forms, leading to many symptoms in the peripheral nervous system, a familial amyloidosis with polyneuropathy.

This monoclonal IgG1 antibody is amyloid specific for human Transthyretin. Detects the N-terminal fragment TTR-1-48 frequently formed in vivo.

Immunogen | Full length variant TTR.

Host | Mouse

Clonality | Monoclonal

Subclass/isotype | IgG

Purity | Affinity purified

Format | Lyophilized

Quantity | 100 µg

Reconstitution | For reconstitution add 100 µl of sterile water.

Storage | For short time storage please add sodium azide and store at +4 °C.
For long time storage store lyophilized/reconstituted at -20 °C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Tested applications | ELISA (ELISA), Immunohistochemistry (IHC), Western blot (WB)

Related products | [AS16 3113](#) | Mouse IgG anti-transthyretin 56-61 (amyloid specific), mouse monoclonal antibodies

Application information

Recommended dilution | 5 µg/ml (ELISA), 2 µg/ml (WB), 5 µg/ml (IHC)

Confirmed reactivity | Human

Not reactive in | No confirmed exceptions from predicted reactivity are currently known.

Selected references | [Goldsteins et al. \(1999\)](#). Exposure of cryptic epitopes on transthyretin only in amyloid and in amyloidogenic mutants. *Proc Natl Acad Sci U S A.* 1999 Mar 16; 96(6): 3108–3113

For high resolution images, please visit the specific product page at www.agrisera.com

