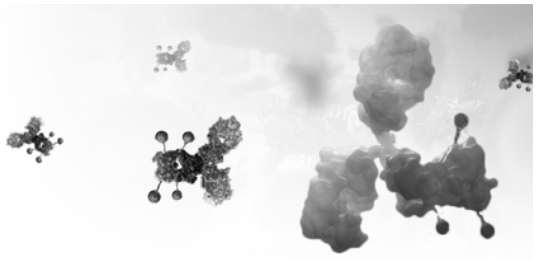

TTR peptide (DAG-P1887)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, Jan 2009]
Specificity	Detected in serum and cerebrospinal fluid (at protein level). Highly expressed in choroid plexus epithelial cells. Detected in retina pigment epithelium and liver.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the transthyretin family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	TTR transthyretin [Homo sapiens (human)]

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Official Symbol	TTR
Synonyms	TTR; transthyretin; CTS; CTS1; PALB; TBPA; HEL111; HsT2651; ATTR; carpal tunnel syndrome 1; thyroxine-binding prealbumin; epididymis luminal protein 111; prealbumin, amyloidosis type I;
Entrez Gene ID	7276
mRNA Refseq	NM_000371.3
Protein Refseq	NP_000362.1
UniProt ID	E9KL36
Chromosome Location	18q12.1
Pathway	Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; Diseases associated with visual transduction, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Non-integrin membrane-ECM interactions, organism-specific biosystem; Retinoid cycle disease events, organism-specific biosystem; Retinoid metabolism and transport, organism-specific biosystem; Signal Transduc
Function	hormone activity; hormone binding; identical protein binding; protein binding; protein heterodimerization activity;

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