Human TTR Antibody Pair Set

Catalog No. E-KAB-0278 **Applications** ELISA
Synonyms Transthyretin,TTR, CTS, CTS1, HsT2651, PALB, TBPA, prealbumin

Kit components & Storage

Title	Specifications	Storage
Human TTR Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human TTR Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

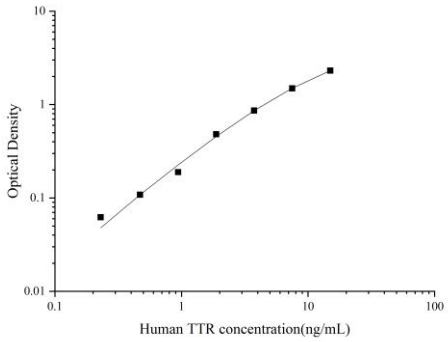
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0278)	
		Human TTR Capture Antibody	Human TTR Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human TTR protein	Recombinant Human TTR protein
	Swissprot	P02766	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human TTR in ELISAs.	

Applications

Human TTR Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4μg/mL	Human TTR Capture Antibody	
ELISA Detection	1:1000-1:10000	Human TTR Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Transthyretin (TTR) is a plasma transport protein for thyroxine and retinol,through the association with retinol-binding protein. It is a homotetrameric protein synthesized mainly in liver,choroid plexus,retinal pigment epithelium,and pancreas.Within the CNS,TTR is the only known protein synthesized solely by the choroid plexus. Mutant and wildtype TTR give rise to various forms of amyloid deposition (amyloidosis). Defects in TTR are the cause of amyloidosis transthyretin-related (AMYL-TTR),hyperthyroxinemia dystransthyretinemic euthyroidal (HTDE) and carpal tunnel syndrome type 1 (CTS1). In addition,positive immunostaining for TTR has been reported as a sensitive diagnostic marker of choroid plexus tumors. (22103483)