

For Research Use Only

Prealbumin/transthyretin Recombinant antibody, PBS Only (Detector)

Catalog Number: 86273-1-PBS



Basic Information

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|---|---|---|
| Catalog Number: 86273-1-PBS | GenBank Accession Number: NM_000371.4 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 7276 | CloneNo.: 250820B6 |
| Source: Rabbit | UNIPROT ID: P02766 | |
| Isotype: IgG | Full Name: transthyretin | |
| Immunogen Catalog Number: EG0931 | Calculated MW: 16 kDa | |
| | Observed MW: 16 kDa | |

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

86273-1-PBS targets Prealbumin/transthyretin as part of a matched antibody pair:

MP02304-1: 86273-2-PBS capture and 86273-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

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 dysransthyretinemic 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. However Western blot analysis using specific rabbit anti-mouse TTR reveals that TTR is absent from the cortex, hippocampus, and cerebellum and present in the choroid plexus. (PMID: 22103483, 16698124)

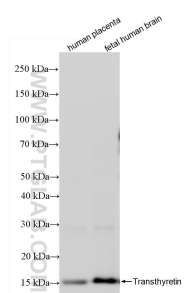
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

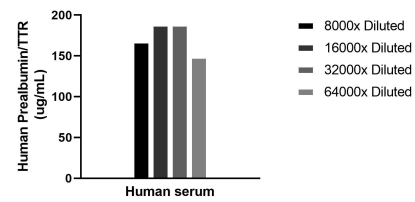
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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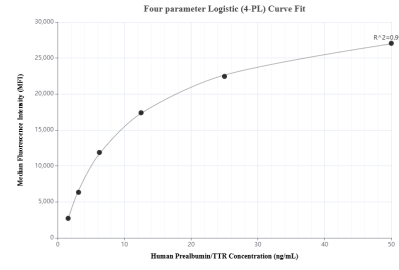
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86273-1-RR (Transferrin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86273-1-PBS in a different storage buffer formulation.



The mean Prealbumin/TTR concentration was determined to be 172.8 ug/mL in human serum.



Cytometric bead array standard curve of MP02304-1, Prealbumin/TTR Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86273-2-PBS. Detection antibody: 86273-1-PBS. Standard: Eg0931. Range: 1.56-50 ng/mL.