

For Research Use Only

# TMEM98 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84284-4-PBS



## Basic Information

<b>Catalog Number:</b> 84284-4-PBS	<b>GenBank Accession Number:</b> BC000526	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 26022	<b>CloneNo.:</b> 241581G11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y2Y6	
<b>Isotype:</b> IgG	<b>Full Name:</b> transmembrane protein 98	
<b>Immunogen Catalog Number:</b> AG6492	<b>Calculated MW:</b> 25 kDa	

## Applications

**Tested Applications:**  
IF/ICC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

84284-4-PBS targets TMEM98 as part of a matched antibody pair:

MP01195-1: 84284-1-PBS capture and 84284-4-PBS detection (validated in Cytometric bead array)

MP01195-3: 84284-2-PBS capture and 84284-4-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

TMEM98, also named as TADA1, composed of 226 amino acid residues, is a potential single-pass transmembrane protein. It is expression in both nucleus and cytoplasm. TMEM98 was found to be over-expressed in most of the hepatocellular carcinoma tissue. MEM98 is not only a prognostic marker for patients with hepatocellular carcinoma but also a novel molecular target associated with intrinsic and acquired chemoresistance of hepatocellular carcinoma (PMID: 24608572).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

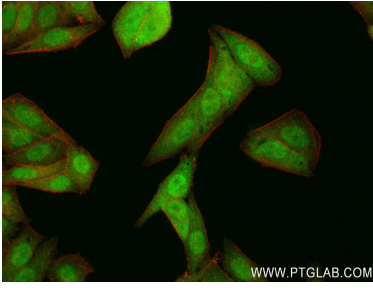
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

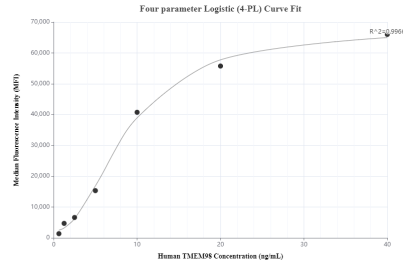
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

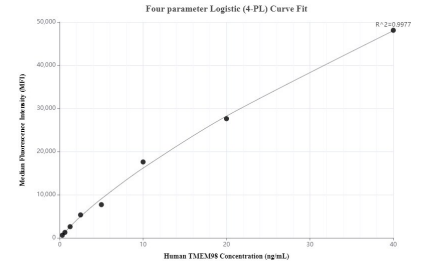
## Selected Validation Data



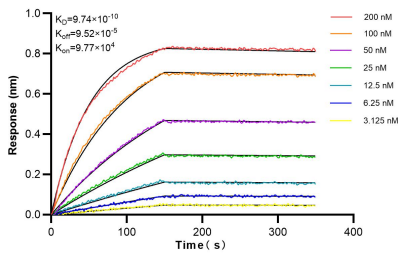
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TMEM98 antibody (84284-4-RR, Clone: 241581G11 ) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84284-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01195-1, TMEM98 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84284-1-PBS. Detection antibody: 84284-4-PBS. Standard: Ag6492. Range: 0.313-40 ng/mL.



Cytometric bead array standard curve of MP01195-3, TMEM98 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84284-2-PBS. Detection antibody: 84284-4-PBS. Standard: Ag6492. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84284-4-RR against Human TMEM98 were performed. The affinity constant is 0.974 nM.