

For Research Use Only

# TWEAKR/CD266 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83916-2-PBS



## Basic Information

<b>Catalog Number:</b> 83916-2-PBS	<b>GenBank Accession Number:</b> BC002718	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51330	<b>CloneNo.:</b> 240991C5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NP84	
<b>Isotype:</b> IgG	<b>Full Name:</b> tumor necrosis factor receptor superfamily, member 12A	
<b>Immunogen Catalog Number:</b> AG13823	<b>Calculated MW:</b> 129 aa, 14 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

83916-2-PBS targets TWEAKR/CD266 as part of a matched antibody pair:

MP00861-1: 83916-1-PBS capture and 83916-2-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

TWEAKR (also known as CD266, FN14, TNFRSF12A) is a member of the TNF receptor superfamily which is activated by its ligand, the cytokine TWEAK (TNFSF12). TWEAKR is the smallest member of the TNFR superfamily. TweakR was first described as an FGF-inducible gene that played a role in fibroblast adhesion and migration. Subsequently, the induction of TweakR expression by other growth factors and/or upon tissue injury was observed in multiple cell types, including hepatocytes, endothelial cells, adipocytes, and cardiomyocytes. (PMID: 23073510, PMID: 24409185)

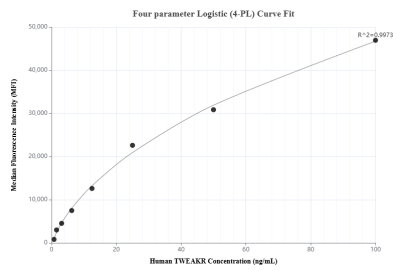
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

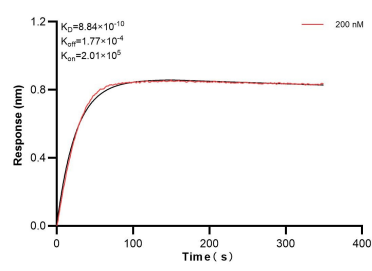
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



Cytometric bead array standard curve of MP00861-1, TWEAKR/CD266 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83916-1-PBS. Detection antibody: 83916-2-PBS. Standard: Ag13823. Range: 0.78-100 ng/mL.



Biolayer interferometry (BLI) kinetic assay of 83916-2-PBS against Human TWEAKR/CD266 was performed. The affinity constant is 0.884 nM.