

For Research Use Only

# TNFRSF21 Monoclonal antibody, PBS Only

Catalog Number: 66754-1-PBS



## Basic Information

<b>Catalog Number:</b> 66754-1-PBS	<b>GenBank Accession Number:</b> BC021572	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27242	<b>CloneNo.:</b> 3C2D10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O75509	
<b>Isotype:</b> IgG1	<b>Full Name:</b> tumor necrosis factor receptor superfamily, member 21	
<b>Immunogen Catalog Number:</b> AG14327	<b>Calculated MW:</b> 655 aa, 72 kDa	
	<b>Observed MW:</b> 69 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

TNFRSF21 (also known as DR6 or CD358) is an orphan receptor of the tumor necrosis factor (TNF) receptor superfamily. It controls cell death and differentiation in a cell-autonomous manner in different cell types including neurons, oligodendrocytes, endothelial cells, and immune cells (PMID: 29459438). DR6 has been shown to activate NF- $\kappa$ B and JNK, and induce cell apoptosis (PMID: 9714541). DR6 interacts with TRADD, which is known to mediate signal transduction of TNF receptors. It has been reported that APP binds DR6 to trigger axon pruning and neuron death via distinct caspases, indicating that DR6 might be involved in Alzheimer's disease (PMID: 19225519).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

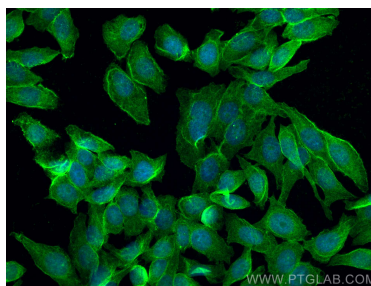
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



K-562 cells were subjected to SDS PAGE followed by western blot with 66754-1-Ig (DR6 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66754-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DR6 antibody (66754-1-Ig, Clone: 3C2D10 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66754-1-PBS in a different storage buffer formulation.