

For Research Use Only

# TNFRSF9/CD137 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 68754-2-PBS



## Basic Information

<b>Catalog Number:</b> 68754-2-PBS	<b>GenBank Accession Number:</b> BC006196	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3604	<b>CloneNo.:</b> 1A2A3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q07011	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> tumor necrosis factor receptor superfamily, member 9	
	<b>Calculated MW:</b> 28 kDa	

## Applications

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

**Species Specificity:**  
human

## Product Information

68754-2-PBS targets TNFRSF9/CD137 as part of a matched antibody pair:

MP50110-1: 68754-1-PBS capture and 68754-2-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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

CD137, also known as TNFRSF9 or 4-1BB, is an inducible T cell surface receptor that belongs to the tumor necrosis factor receptor superfamily. CD137 is a transmembrane protein expressed on the surface of activated T-cells. In addition, activation-dependent expression of CD137 has also been found in B lymphocytes, monocytes, and diverse nonlymphoid cell types. CD137 provides a co-stimulatory signal that enhances the survival, and differentiation of cells, and has a crucial role in the development of CD8 cytotoxic T cells and anti-tumor immunity. (PMID: 9826581; 23696891)

## Storage

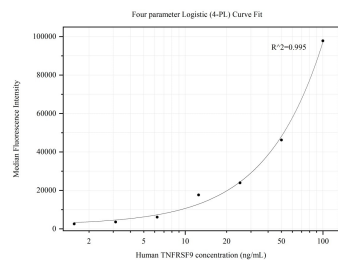
**Storage:**  
Store at -80°C.

**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)  
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# Selected Validation Data



Cytometric bead array standard curve of MP50110-1, TNFRSF9/CD137 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 68754-1-PBS. Detection antibody: 68754-2-PBS. Standard:Eg0016. Range:1.563-100 ng/mL