

## Anti-4-1BB Ligand/TNFSF9 Antibody (8F465)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	8F465
Purification:	Protein A

### Applications

Verified Activity:	<p>1. Confocal immunofluorescence analysis of Mouse TNFSF9 in RAW264.7 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Rabbit anti-Mouse TNFSF9 monoclonal antibody (1:100) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to plasma membrane.</p> <p>2. Flow cytometric analysis of Mouse TNFSF9 expression on Raw264.7 cells. Cells were stained with purified anti-Mouse TNFSF9, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.</p>
Application:	ELISA,FCM,ICC/IF
Recommended	ELISA: 1:1000-1:2000; ICC-IF: 1:50-1:1000; FCM: 1:25-1:100

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: Mouse TNFSF9 protein (TMPY-00959)
Antigen Species:	Mouse
Synonyms:	tumor necrosis factor (ligand) superfamily, member 9;Cd137l;Ly63l;Al848817;4-1BB-L;4-1BBL
Biology Area:	Cancer Drug Targets

### Research Background

4-1BB ligand is the high affinity ligand of 4-1BB, also known as CD137L or TNFSF9. It is shown to be a type II surface glycoprotein belonging to the TNF superfamily. Expression of 4-1BBL is restricted to APCs, such as dendritic cells, macrophages, and activated B cells. Members of the TNF-TNF receptor superfamily have been shown to play critical roles in regulating cellular activation, differentiation and apoptosis. Several studies have reported that 4-1BBL/4-1BB interaction provided a co-stimulatory signal to T cells, and increased T cell proliferation and cytokines production. In addition, 4-1BBL is involved in cancers, infectious diseases and autoimmune diseases. Cancer Immunotherapy Co-stimulatory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: FCM Antibodies Immune Checkpoint Detection: ICC Antibodies Immune Checkpoint Targets Immunotherapy Targeted Therapy

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