

## PRODUCT INFORMATION

<b>Clone ID</b>	DM68
<b>Target</b>	4-1BB Ligand
<b>Synonyms</b>	4-1BB Ligand;TNFSF9;CD137L
<b>Host Species</b>	Rabbit
<b>Description</b>	PE-conjugated Anti-4-1BB Ligand antibody(DM68); Rabbit mAb
<b>Delivery</b>	3-4 weeks
<b>Uniprot ID</b>	P41273
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	Flow Cyt
<b>Recommended Dilutions</b>	Flow Cyt 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; Reconstitution</b>	Liquid□PBS with 0.05% Proclin300, 1% BSA
<b>Storage &amp; Shipping</b>	Store at 2°C-8°C for 6 months
<b>Background</b>	<p>The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9:4-1BB; which is a costimulatory receptor molecule in T lymphocytes. This cytokine and its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9:4-1BB is absent from resting T lymphocytes but rapidly expressed upon antigenic stimulation. The ligand encoded by this gene; TNFSF9:4-1BBL; has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytokine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytokine is expressed in carcinoma cell lines; and is thought to be involved in T cell-tumor cell interaction.</p>
<b>Usage</b>	Research use only
<b>Conjugate</b>	PE-conjugated

