

## Product datasheet for **TA386222**

### **Tnfsf9 Rabbit Monoclonal Antibody [Clone ID: AT113-2]**

#### **Product data:**

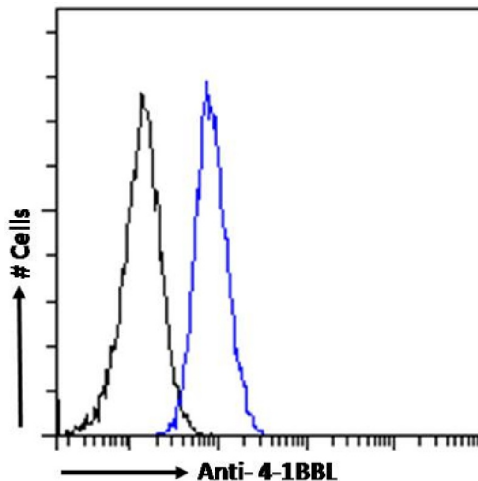
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	AT113-2
<b>Applications:</b>	BI, FC, WB
<b>Reactivity:</b>	Mouse
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG, kappa
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	This antibody was raised by immunising LOU rats with soluble recombinant 4-1BBL:Fc fusion protein.
<b>Specificity:</b>	<p>This antibody is specific for 4-1BB ligand (also known as CD137 ligand), which is a member of the TNF superfamily and is a type II membrane protein. 4-1BB ligand is a co-stimulatory molecule that is expressed on antigen presenting cells (DCs, monocytes/macrophages, B cells) and is upregulated upon activation of these cells. Both of the 4-1BB ligand and its receptor, TNFRSF9/4-1BB, are involved in the antigen presentation process and in the generation of cytotoxic T cells. In direct ELISAs, no cross-reactivity with recombinant human RELT is observed.</p> <p>This antibody has been used in various FACS analyses, for instance, to show that CD27:CD70 and 4-1BB:4-1BBL interactions are needed for dendritic cell-driven accumulation of antitumor cytotoxic T lymphocytes following anti-CD40 mAb treatment (French et al, 2007), to examine the underlying mechanisms of the differential T cell costimulation dependence in viral infections (Welten et al, 2015), and to explore the therapeutic benefit of using combinations of syngeneic tumor vaccines that express immune modulators (Manrique-Rincón et al, 2017). This antibody has been used as a blocking antibody, together with anti-CD70, anti-CD30L and anti-OX40L antibodies, to evaluate OX40 ligand and CD70 in the promotion of CD4+ T cell responses (Kurche et al, 2010). Furthermore, this anti-4-1BBL antibody has been used alongside the anti-CD70, anti-CD27, anti-CD40 antibodies in a BCL1-bearing mouse model to evaluate the therapeutic potency of various combined immunotherapies against lymphoma (French et al, 2007).</p>
<b>Formulation:</b>	PBS with 0.02% Proclin 300.



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Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	tumor necrosis factor (ligand) superfamily, member 9
Database Link:	<a href="#">Entrez Gene 21950 Mouse P41274</a>
Synonyms:	4-1BB-L; 4-1BBL; CD137L
Note:	This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG1 format, for improved compatibility with existing reagents, assays and techniques.

### Product images:



Flow cytometry using the anti- 4-1BBL antibody AT113-2 (TA386222). RAW264.7 cells were fixed using 2% PFA and stained with anti-unknown specificity antibody ([TA385792]; isotype control, black line) or the rabbit IgG1 version of AT113-2 (TA386222, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.