

Product datasheet for **TA386223**

Tnfsf9 Rat Monoclonal Antibody [Clone ID: AT113-2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT113-2
Applications:	BI, FC, WB
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising LOU rats with soluble recombinant 4-1BBL:Fc fusion protein.
Specificity:	<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>
Formulation:	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:	Entrez Gene 21950 Mouse P41274
Synonyms:	4-1BB-L; 4-1BBL; CD137L