

CD137 Ligand (4-1BB Ligand) Monoclonal Antibody (TKS-1), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	TKS-1
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466788

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	3 Publications

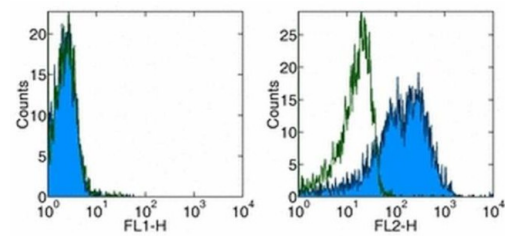
Product Specific Information

Description: The TKS-1 monoclonal antibody reacts with mouse 4-1BB Ligand (4-1BBL), a type II transmembrane protein and a member of the tumor necrosis factor superfamily. 4-1BBL is expressed by activated antigen presenting cells including B cells and macrophages. Interaction of 4-1BBL with 4-1BB (CDw137) is reported to deliver a costimulatory signal important in the T-APC interaction.

Applications Reported: The TKS-1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The TKS-1 antibody has been tested by flow cytometric analysis of resting and 2-3 day (IgM & CD40)-activated mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.



CD137 Ligand (4-1BB Ligand) Antibody (13-5901-82) in Flow
Staining of mouse splenocytes unstimulated (left) or Anti-Mouse IgM plus Anti-Mouse CD40 Functional Grade Purified (Product # 16-0402-82 stimulated splenocytes (right) with Anti-Mouse 4-1BB Ligand PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

3 References

Flow Cytometry (3)

<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p>4-1BB ligand signaling to T cells limits T cell activation.</p> <p>"13-5901 was used in Flow cytometry/Cell sorting to show that 4-1BBL can transmit signals that limit T cell effector activity under tolerogenic conditions."</p> <p>Authors: Eun SY, Lee SW, Xu Y, Croft M</p>	<p>Year 2015</p> <p>Species Mouse</p>
<p>European journal of microbiology & immunology</p> <p>Impact of enzymatic tissue disintegration on the level of surface molecule expression and immune cell function.</p> <p>"13-5901 was used in Flow cytometry/Cell sorting to indicate that enzymatic tissue disintegration can have profound effects on the expression of a variety of cell-surface molecules."</p> <p>Authors: Autengruber A, Gereke M, Hansen G, Hennig C, Bruder D</p>	<p>Year 2012</p> <p>Species Mouse</p>

[View more Flow references on thermofisher.com](#)

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