

Product Information

Contents: Affinity Purified anti-mouse 4-1BB Ligand (4-1BBL, 41BBL)

Catalog Number: 14-5901

Sizes: 50 ug, 100 ug, 500 ug

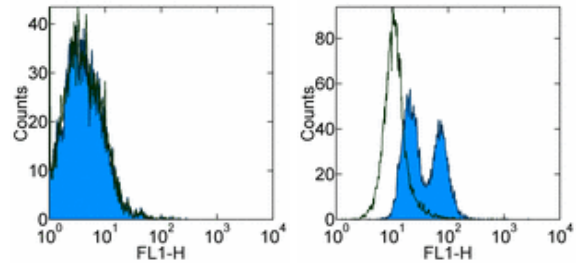
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN₃

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

Clone: TKS-1

Isotype: Rat IgG2a, κ



Staining of BALB/c splenocytes (left) and 2PK3 cells (right) with 0.5 μg of Purified Rat IgG2a Iso Cntrl (cat. 14-4321) (open histogram) or 0.5 μg of Purified TKS-1 (colored histogram) followed by FITC Anti-Rat IgG (cat. 11-4811). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-5901	PE anti-mouse 4-1BB Ligand (4-1BBL, 41BBL, CD137L, CD137 Ligand)	488	575	FC
13-5901	Biotin anti-mouse 4-1BB Ligand (4-1BBL, 41BBL, CD137L, CD137 Ligand)	N/A	N/A	FC
14-5901	Affinity Purified anti-mouse 4-1BB Ligand (4-1BBL, 41BBL, CD137L, CD137 Ligand)	N/A	N/A	FA FC
16-5901	Functional Grade* Purified anti-mouse 4-1BB Ligand (4-1BBL, 41BBL, CD137L, CD137 Ligand)	N/A	N/A	FC

*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.
Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

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.

Usage

For research use only, not for diagnostic or therapeutic use. The TKS-1 antibody has been reported for use in flow cytometric analysis. It has also been reported in blocking of 4-1BB ligand in functional studies. (Please use Functional Grade purified TKS-1, cat. 16-5901, in functional assays.)

Applications Tested

The TKS-1 antibody has been tested by flow cytometric analysis of resting mouse splenocytes and 2PK3 mouse cells. This can be used at less than or equal to 1 μg per million cells in a 100 μl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

- Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
- Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
- Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
- Cat. 14-4321 Affinity Purified Rat IgG2a Isotype Control
- Cat. 11-4811 FITC Anti-Rat IgG
- Cat. 13-4813 Biotin Anti-Rat IgG (clone Polyclonal)

- Cat. 12-5901 PE anti-mouse 4-1BB Ligand (4-1BBL, 41BBL, CD137L, CD137 Ligand) (clone TKS-1)
Cat. 13-5901 Biotin anti-mouse 4-1BB Ligand (4-1BBL, 41BBL, CD137L, CD137 Ligand) (clone TKS-1)
Cat. 16-5901 Functional Grade Purified anti-mouse 4-1BB Ligand (4-1BBL, 41BBL, CD137L, CD137 Ligand) (clone TKS-1)
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References

- Akiba, H., Y. Miyahira, et al. (2000). "Critical contribution of OX40 ligand to T helper cell type 2 differentiation in experimental leishmaniasis." *J Exp Med* 191(2): 375-80.
- Futagawa, T., H. Akiba, et al. 2002. Expression and function of 4-1BB and 4-1BB ligand on murine dendritic cells. *Int Immunol* 14(3): 275-86.

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