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Product Information

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

Catalog Number: 13-5901 Sizes: 50 ug, 100 ug, 500 ug

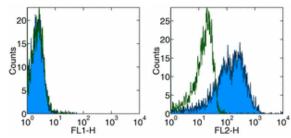
Formulation: Phosphate buffer pH 7.2,

150 mM NaCl, 0.09% NaN₃

Storage Conditions: Store at 4°C.

DO NOT FREEZE. Clone: TKS-1

Isotype: Rat IgG2a, κ



Surface staining of resting mouse splenocytes (left) and anti-mouse IgM + anti-mouse CD40 stimulated splenocytes (right) with anti-mouse 4-1BB Ligand (TKS-1) PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Cat. No.	Format	Excite (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^{\mathbb{M}} (FG^{\mathbb{M}}): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/ \mathbb{M} 9. 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.

Applications Tested

The TKS-1 antibody has been tested by flow cytometric analysis of resting and 2-3day (IgM+CD40)-activated mouse splenocytes. This can be used at less than or equal to 1 μ g per million cells in a 100 μ l 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)
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Cat. 12-4317 Streptavidin-PE (Phycoerythrin)

Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)

Cat. 13-4321 Biotin Rat IgG2a Isotype Control

Cat. 12-5901 PE anti-mouse 4-1BB Ligand (4-1BBL, 41BBL, CD137L, CD137 Ligand) (clone TKS-1)

Cat. 14-5901 Affinity Purified 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)

References

Akiba, H., Y. Miyahira, et al. (2000). "Critical contribution of OX40 ligand to T helper cell type 2 differentiation in experimental leishmaniasis." <u>J Exp Med</u> 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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