

Product Information

Contents: Phycoerythrin (PE) anti-mouse CD137 (4-1BB, 41BB, Ly-63)

Catalog Number: 12-1371

Sizes: 50 ug, 100 ug, 200 ug

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

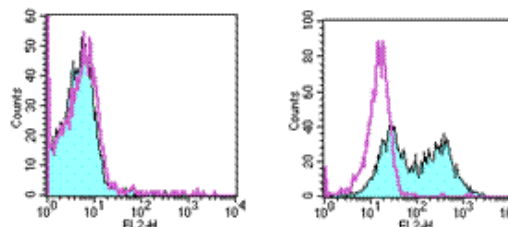
Storage Conditions: Store at 4°C.

DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: 17B5

Isotype: Golden Syrian Hamster IgG



Staining of 3 day unstimulated (left) and 3 day ConA activated (right) BALB/c splenocytes with 0.125 µg of PE Golden Syrian hamster IgG isotype control (cat. 12-4915) (open histogram) or 0.125 µg of PE 17B5 (colored histogram). Total viable cells were used for analysis.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
12-1371	PE anti-mouse CD137 (4-1BB, 41BB, Ly-63)	488	575	FC
13-1371	Biotin anti-mouse CD137 (4-1BB, 41BB, Ly-63)	N/A	N/A	FC
14-1371	Affinity Purified anti-mouse CD137 (4-1BB, 41BB, Ly-63)	N/A	N/A	FC
16-1371	Functional Grade* Purified anti-mouse CD137 (4-1BB, 41BB, Ly-63)	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 17B5 monoclonal antibody reacts with mouse CD137, also known as 4-1BB, a member of the TNFR superfamily. CD137 is expressed as monomers, dimers, and tetramers on the surface of activated T cells around day 4-6 after activation through the TCR complex. Interaction of CD137 with its ligand, 4-1BBL, is reported to deliver a costimulatory signal important in the T-APC interaction. Unpublished data suggest that 17B5 has strong agonistic effect in in vitro functional assays.

Usage

For research use only, not for diagnostic or therapeutic use. The 17B5 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The 17B5 antibody has been tested by flow cytometric analysis of activated mouse splenocyte cultures. This can be used at less than or equal to 0.25 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. 13-1371	Biotin anti-mouse CD137 (4-1BB, 41BB, Ly-63) (clone 17B5)
Cat. 14-1371	Affinity Purified anti-mouse CD137 (4-1BB, 41BB, Ly-63) (clone 17B5)
Cat. 16-1371	Functional Grade Purified anti-mouse CD137 (4-1BB, 41BB, Ly-63) (clone 17B5)
Cat. 12-4914	Phycoerythrin (PE) Golden Syrian Hamster IgG Isotype Control (clone n/a)

