

## CD137 (4-1BB) Monoclonal Antibody (17B5), APC, eBioscience™

Product Details	
Size	100 µg
Species reactivity	Mouse
Published species	Mouse
Host / Isotype	Syrian Hamster / IgG
Class	Monoclonal
Type	Antibody
Clone	17B5
Conjugate	APC
Form	Liquid
Concentration	0.2 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_2573162

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	2 Publications
Functional Assay (Functional)	-	1 Publication

### Product Specific Information

**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. Recent data suggests CD317 is expressed on Tregs and may play a role in their proliferation. The monoclonal antibody 17B5 has strong antagonistic effect in in vitro functional assays.

**Applications Reported:** This 17B5 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This 17B5 antibody has been tested by flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 0.25 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 10<sup>4</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

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