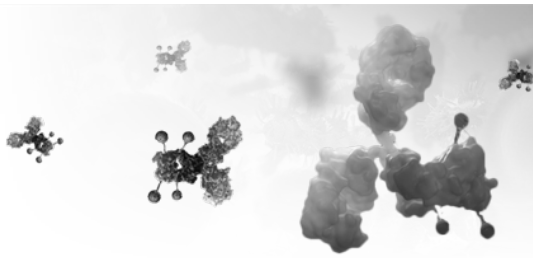

Syrian Hamster Anti-Mouse 4-1BB (CD137) Monoclonal antibody, clone 17B5 (CABT-L4524)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The 17B5 monoclonal antibody reacts with mouse 4-1BB, a TNF receptor superfamily member also known as CD137. 4-1BB is a 39 kDa transmembrane protein expressed by T lymphocytes, NK cells, dendritic cells, granulocytes, and mast cells. Upon binding its ligand 4-1BBL, 4-1BB provides costimulatory signals to both CD4 and CD8 T cells through the activation of NF-κB, c-Jun and p38 downstream pathways. The importance of the 4-1BB pathway has been underscored in several diseases, including cancer. The 17B5 antibody has been shown to block 4-1BB-mediated T cell proliferation in vitro.
Target	Mouse 4-1BB (CD137)
Immunogen	CBA mouse thymocytes
Isotype	IgG
Source/Host	Syrian Hamster
Species Reactivity	Mouse
Clone	17B5
Purification	Protein A purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vitro 4-1BB blockade, FC
Molecular Weight	150 kDa

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Format	0.2 μm filtration liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific
Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB.
Keywords	4-1BB;CD137

GENE INFORMATION

Synonyms	4-1BB; CD137

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