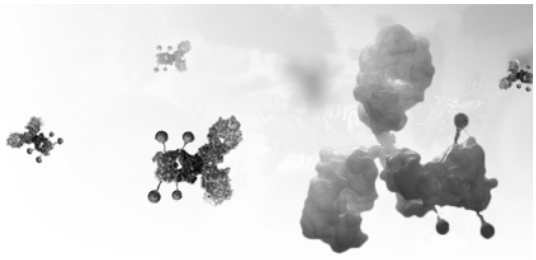

Rat Anti-Mouse 4-1BBL (CD137L) Monoclonal antibody, clone TKS-1 (CABT-L4408)

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

PRODUCT INFORMATION

Product Overview	The TKS-1 monoclonal antibody reacts with mouse 4-1BB ligand (4-1BBL), a type II transmembrane glycoprotein also known as CD137L. 4-1BBL is a 97 kDa member of the TNF superfamily and is expressed by dendritic cells, macrophages, and activated B and T lymphocytes. Interaction of 4-1BBL with 4-1BB (CD137) provides costimulatory signals to both CD4 and CD8 T cells through the activation of NF-κB, c-Jun and p38 downstream pathways. The TKS-1 antibody has been shown to inhibit the binding of soluble 4-1BB to 4-1BBL in vitro.
Target	Mouse 4-1BBL (CD137L)
Immunogen	Mouse 4-1BBL transfected NRK cells
Isotype	IgG2a, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	TKS-1
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo 4-1BBL blockade
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific

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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
References	Welten, S. P., et al. (2015). "The viral context instructs the redundancy of costimulatory pathways in driving CD8(+) T cell expansion." Elife 4. PubMed;

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