

Datasheet for ABIN1169122 anti-LTBR antibody (Cysteine-Rich Domain)

3 Publications

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Overview

Quantity:	100 µg
Target:	LTBR
Binding Specificity:	AA 31-221, Cysteine-Rich Domain
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Functional Studies (Func)

Product Details

Immunogen:	Recombinant mouse LTbetaR (cysteine-rich region) (aa 31-221).
Clone:	3C8
Isotype:	IgG1
Specificity:	Recognizes mouse LTbetaR.
Cross-Reactivity:	Mouse (Murine)
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	LTBR
Alternative Name:	LTbetaR (LTBR Products)

Target Details

Background: The LTbetaR activates two different NF-kappaB pathways that lead to distinct patterns of gene induction, including selected chemokines and the cytokine BAFF, which is essential for the survival of mature B lymphocytes. LTbetaR activates the classical NF-kappaB (relA/p50) pathway, like the type 1 TNF receptor (TNFR1), that regulates proinflammatory genes, like the chemokine MIP1beta. However, LTbetaR, unlike TNFR1, also activates the processing of p100 to form RelB/p52 complexes, which activate genes involved in lymphoid organ formation and lymphocyte survival.

UniProt: [P50284](#)

Pathways: [NF-kappaB Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: The monoclonal antibody to mouse LTbetaR is an agonist that can be used for the investigation of the regulation of BAFF (BlyS), chemokines and integrins using in vivo and tissue culture models, the development of NK cells and NK T cells, to study the regulation of NF-kappaB family of transcription factors in regulation of inflammation and homeostasis, particularly RelB NF-kappaB2 pathway. For use as an agonist the MAb to LTbetaR is added to cell cultures at 2µg/ml. For in vivo use, mice are injected intraperitoneally with 50µg of agonistic MAb to LTbetaR in sterile phosphate saline buffer.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: In PBS containing 10 % glycerol and 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C

Handling

Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Sobolik-Delmaire, Reddy, Pashaj, Roberts, Wahl: "Plakophilin-1 localizes to the nucleus and interacts with single-stranded DNA." in: **The Journal of investigative dermatology**, Vol. 130, Issue 11, pp. 2638-46, (2010) ([PubMed](#)).