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Functional LTbetaR (mouse) Antibody, mAb (preservative free)

Catalog # ADP0021

Specification

Functional LTbetaR (mouse) Antibody, mAb (preservative free) - Product Information

Application	**FC**
Reactivity	**Mouse**
Host	**Purified From Concentrated Hybridoma Tissue Culture Supernatant.**
Clonality	**Monoclonal**
Isotype	**Rat IgG2a**
Gene Source	**Mouse**
Application Note	**FC,Functional Application, Agonist inducing BAFF, chemokines and integrins in vitro and in vivo.**
Description	**The monoclonal antibody to mouse LTβR 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-κB family of transcription factors in regulation of inflammation and homeostasis, particularly RelB NF-κB2 pathway. For use as an agonist the MAb to LTβR is added to cell cultures at 2 µg/ml. For *in vivo* use, mice are injected intraperitoneally with 50 µg of agonistic MAb to LTβR in sterile phosphate saline buffer.**

Functional LTbetaR (mouse) Antibody, mAb (preservative free) - Additional Information

Other Names
Lymphotoxin-β Receptor; Tumor Necrosis Factor Receptor 2 Related Protein; Tumor Necrosis Factor C Receptor; Tumor Necrosis Factor Receptor Superfamily Member 3; TNFRSF3

Target/Specificity
Recognizes mouse LTβR.

Format
Liquid. In PBS containing 10% glycerol.

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

Precautions
Functional LTbetaR (mouse) Antibody, mAb (preservative free) is for research use only and not for use in diagnostic or therapeutic procedures.

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Functional LTbetaR (mouse) Antibody, mAb (preservative free) - Protein Information

Functional LTbetaR (mouse) Antibody, mAb (preservative free) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Functional LTbetaR (mouse) Antibody, mAb (preservative free) - Images

Functional LTbetaR (mouse) Antibody, mAb (preservative free) - Background

The LT-β-R activates two different NF-kappa 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. LT-β-R activates the classical NF-kappa (relA/p50) pathway, like the type 1 TNF receptor (TNFR1), that regulates proinflammatory genes, like the chemokine MIP1-β-. However, LT-β-R, unlike TNFR1, also activates the processing of p100 to form RelB/p52 complexes, which activate genes involved in lymphoid organ formation and lymphocyte survival.