

**Functional LTbetaR (mouse) Antibody, mAb**  
**Catalog # ADP0020****Specification**

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**Functional LTbetaR (mouse) Antibody, mAb - 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 <i>in</i> <i>vivo</i> 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 <i>in vivo</i> use, mice are injected intraperitoneally with 50 µg of agonistic MAb to LTβR in sterile phosphate saline buffer.

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

## **Functional LTbetaR (mouse) Antibody, mAb - Protein Information**

## **Functional LTbetaR (mouse) Antibody, mAb - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Functional LTbetaR (mouse) Antibody, mAb - Images**

## **Functional LTbetaR (mouse) Antibody, mAb - Background**

The LT- $\beta$ -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- $\beta$ -R activates the classical NF-kappa (relA/p50) pathway, like the type 1 TNF receptor (TNFR1), that regulates proinflammatory genes, like the chemokine MIP1- $\beta$ -. However, LT- $\beta$ -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.