

**Functional LTbetaR (mouse) Antibody, mAb (preservative free)**  
**Catalog # ADP0023****Specification****Functional LTbetaR (mouse) Antibody, mAb (preservative free) - Product Information**

Reactivity	<b>Mouse</b>
Host	<b>Purified From Concentrated Hybridoma Tissue Culture Supernatant.</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Rat IgG1k</b>
Gene Source	<b>Mouse</b>
Application Note	<b>Functional Application, Agonist inducing BAFF, chemokines and integrins in vitro and in vivo.</b>
Description	<b>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 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.</b>

**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 and 0.02% sodium azide.

**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.

**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 Cytometry](#)
- [Cell Culture](#)

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