

## PE anti-mouse lymphotoxin beta receptor (LTβR) Antibody

<b>Catalog# / Size</b>	134403 / 25 µg
<b>Clone</b>	5G11
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	LTbR, TNFRIII, TNF receptor-related protein (TNFRp)
<b>Isotype</b>	Rat IgG2a, κ
<b>Description</b>	LTβR is a type I transmembrane glycoprotein and member of the TNF receptor superfamily. It is a 61 KDa receptor for the mouse LTα1β2 and LIGHT. Northern blot analysis of tissues from adult mice showed that expression levels of LTβR mRNA were strong in lung, liver, and kidney, moderate in heart and testes, but weak in brain, thymus, spleen, and lymph nodes. It was reported that LTβR is expressed on stromal cells, monocytes, and certain embryonic epithelial layers. LTβR is involved in peripheral lymphoid tissue organogenesis and function. The LTα/LTβR receptor system may also have some function in early embryogenesis.

### Product Details

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<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	<i>E. coli</i> expressed extracellular domain of mouse lymphotoxin beta receptor
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions.
<b>Concentration</b>	0.2 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
<b>Product Citations</b>	<ol style="list-style-type: none"><li>1. Menzel L, <i>et al.</i> 2021. Cell Rep. 37:109878. <a href="#">PubMed</a></li><li>2. Liang Z, <i>et al.</i> 2021. J Cell Physiol. 236:4725. <a href="#">PubMed</a></li><li>3. Liang Z, <i>et al.</i> 2017. Autophagy. 14:505. <a href="#">PubMed</a></li></ol>
<b>RRID</b>	AB_1659180 (BioLegend Cat. No. 134403)

### Antigen Details

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<b>Distribution</b>	Expressed on stromal cells, monocytes, and certain embryonic epithelial layers.
<b>Function</b>	LTβR is involved in peripheral lymphoid tissue organogenesis and function. The LTα/LTβR receptor system may also have some function in early embryogenesis.
<b>Ligand/Receptor</b>	LTα1β2 and LIGHT

<b>Cell Type</b>	Embryonic Stem Cells, Epithelial cells, Monocytes
<b>Biology Area</b>	Immunology, Stem Cells
<b>Molecular Family</b>	Adhesion Molecules, Cytokine/Chemokine Receptors
<b>Antigen References</b>	<ol style="list-style-type: none"> <li>1. Force WR, <i>et al.</i> 1995. <i>J. Immunol.</i> 155:5280</li> <li>2. Tamada K, <i>et al.</i> 2000. <i>J. Immunol.</i> 164:4105</li> <li>3. Browing JL, <i>et al.</i> 1997. <i>J. Immunol.</i> 159:3288</li> <li>4. Futterer A, <i>et al.</i> 1998. <i>Immunity</i> 9:59</li> <li>5. Nakamura T, <i>et al.</i> 1995. <i>Genomics</i> 30:312</li> <li>6. Crowe P, <i>et al.</i> 1996. <i>Science</i> 264:707</li> <li>7. Dejardin E, <i>et al.</i> <i>Immunity</i> 2002. 17(4):525</li> </ol>
<b>Gene ID</b>	<a href="#">17000</a>

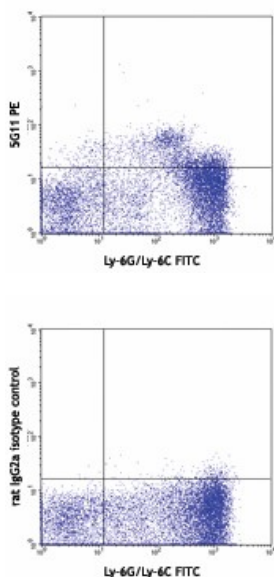
## Related Protocols

[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Purified anti-mouse lymphotoxin beta receptor (LT $\beta$ R), PE anti-mouse lymphotoxin beta receptor (LT $\beta$ R), PE/Cyanine7 anti-mouse lymphotoxin beta receptor (LT $\beta$ R), APC anti-mouse lymphotoxin beta receptor (LT $\beta$ R)

## Product Data



C57BL/6 bone marrow cells stained with 5G11 PE (Upper panel) or rat IgG2a isotype control PE (Lower panel) and Ly-6G/Ly-6C FITC

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