

Product Data Sheet

PE anti-mouse lymphotoxin beta receptor (LT β R)

Catalog # / Size: 134403 / 25 μ g

Clone: 5G11

Isotype: Rat IgG2a, κ

Immunogen: *E.coli* expressed extracellular domain of mouse lymphotoxin beta receptor

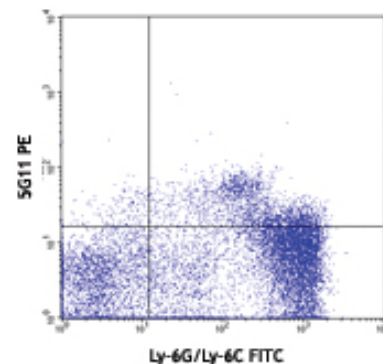
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.2 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



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

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.25 μ g per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.

Description: LT β R is a type I transmembrane glycoprotein and member of the TNF receptor superfamily. It is a 61 KDa receptor for the mouse LT α 1 β 2 and LIGHT. Northern blot analysis of tissues from adult mice showed that expression levels of LT β R 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 LT β R is expressed on stromal cells, monocytes, and certain embryonic epithelial layers. LT β R is involved in peripheral lymphoid tissue organogenesis and function. The LT α /LT β R receptor system may also have some function in early embryogenesis.

Antigen References:

1. Force WR, *et al.* 1995. *J. Immunol.* 155:5280
2. Tamada K, *et al.* 2000. *J. Immunol.* 164:4105
3. Browning JL, *et al.* 1997. *J. Immunol.* 159:3288
4. Futterer A, *et al.* 1998. *Immunity* 9:59
5. Nakamura T, *et al.* 1995. *Genomics* 30:312
6. Crowe P, *et al.* 1996. *Science* 264:707
7. Dejardin E, *et al.* *Immunity* 2002. 17(4):525

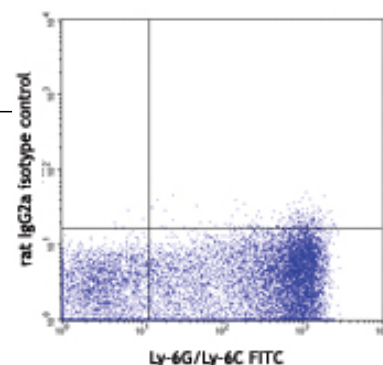
Related Products:

Product
 PE Rat IgG2a, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 TruStain fcX™ (anti-mouse CD16/32)

Clone
 RTK2758

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Application
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC



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