

InVivoMAb anti-mouse CD132 (common γ chain)



Lot Specific Information

Lot Number:	Lot Specific*
Volume:	Lot Specific*
Concentration:	Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein:	Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	BE0271
Clone:	3E12
Isotype:	Rat IgG2b
Recommended Isotype Control(s):	InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Rat myeloma YB2/0 transfected with mouse cytoplasmic-tailless CD132 <i>in vivo</i> γ c blockade Functional assays Immunoprecipitation Flow cytometry
Reported Applications:	
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/ μ g) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μ M filtered
Production:	Purified from tissue culture supernatant in an animal free facility
Purification:	Protein G
RRID:	AB_2687794
Molecular Weight:	150 kDa

Description

The 3E12 monoclonal antibody reacts with mouse CD132 also known as the common gamma chain and IL-2 receptor gamma chain. CD132 is a 64-70 kDa type I transmembrane glycoprotein belonging to the Ig superfamily. It is expressed by a wide range of cells including T and B lymphocytes, NK cells, monocytes, and granulocytes. CD132 is an essential subunit of the receptor complexes for at least six different interleukin receptors: IL-2, IL-4, IL-7, IL-9, IL-15 and IL-21 receptors. Ligand binding induces tyrosine phosphorylation and initiates signaling through the JAK/STAT pathway. The 3E12 antibody has been reported to block the bioactivity of IL-4, IL-9, and IL-15 and inhibit the ligand/receptor binding of IL-4 and IL-7.

Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at bxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit <https://bxcell.com/product/invivomab-anti-mouse-il-2r-gamma-chain/#references> or scan the QR code below.



Bio X Cell, Inc.

bxcell.com
1.866.787.3444
customerservice@bxcell.com

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