

InVivoMAb anti-mouse CD317 (BST2, PDCA-1)



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:	BE0311
Clone:	927
Isotype:	Rat IgG2b, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Mouse type I IFN-producing cells <i>in vivo</i> pDC depletion Immunofluorescence Flow cytometry
Reported Applications:	
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/μg) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μM filtered
Production:	Purified from tissue culture supernatant in an animal free facility
Purification:	Protein G
RRID:	AB_2736991
Molecular Weight:	150 kDa

Description

The 927 monoclonal antibody reacts with mouse CD317 also known as BST2 and PDCA-1, a 29-33 kDa type II transmembrane glycoprotein. CD317 is expressed exclusively by plasmacytoid dendritic cells in naïve mice and serves as a marker for these cells. CD317 is also sometimes expressed by some tumor cells, including multiple myeloma, renal cell carcinoma, and melanoma cells. The 927 antibody is a useful tool to specifically deplete plasmacytoid dendritic cells when administered *in vivo*.

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-cd317-bst2-pdca-1/#references> or scan the QR code below.



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