

# Technical Data Sheet



**RecombiMAb human IgG4 S228P L235E P329G (SPLEPG) isotype control, anti-hen egg lysozyme**

**Attention:** Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bxcell.com/terms-and-conditions>.

## Lot Specific Information

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

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

## Product Information

<b>Catalog Number:</b>	CP148
<b>Clone:</b>	N/A-CP148
<b>Isotype:</b>	Human IgG4
<b>Mutations:</b>	S228P, L235E, P329G (SPLEPG)
<b>Immunogen:</b>	Hen egg lysozyme (HEL)
<b>Formulation:</b>	PBS, pH 7.0 Contains no stabilizers or preservatives
<b>Purity:</b>	>95% Determined by SDS-PAGE
<b>Sterility:</b>	0.2 µM filtered
<b>Production:</b>	Purified from CHO cell supernatant
<b>Purification:</b>	Protein A
<b>Aggregation:</b>	<5% Determined by DLS
<b>Molecular Weight:</b>	150 kDa

## Murine Pathogen Test Results

Mouse Norovirus: Negative  
Mouse Parvovirus: Negative  
Mouse Minute Virus: Negative  
Mouse Hepatitis Virus: Negative  
Reovirus Screen: Negative  
Lymphocytic Choriomeningitis virus: Negative  
Lactate Dehydrogenase-Elevating Virus: Negative  
Mouse Rotavirus: Negative  
Theiler's Murine Encephalomyelitis: Negative  
Ectromelia/Mousepox Virus: Negative  
Hantavirus: Negative

Polyoma Virus: Negative  
Mouse Adenovirus: Negative  
Sendai Virus: Negative  
Mycoplasma Pulmonis: Negative  
Pneumonia Virus of Mice: Negative  
Mouse Cytomegalovirus: Negative  
K Virus: Negative

## Description

This human IgG4 isotype control antibody reacts with hen egg lysozyme and has low or no specific binding to any human sample. The S228P substitution is included to prevent Fab-arm exchange. The P329G substitution combined with S228P and L235E substitutions has been shown to decrease effector functions by disrupting the Fc/Fcγ receptor interface.

## 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 <https://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/recombimab-human-igg4-s228p-l235e-p329g-splepg-isotype-control-anti-hen-egg-lysozyme#references> or scan the QR code below.



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*Not for resale.*

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