

**Anti-CHO Host Cell Protein G3 Antibody****1. Product Information**

Product Name	Catalog#	Size
Anti-CHO Host Cell Protein G3 Antibody	CH-K0018-3-Ab	100μg

2. Product Description

Type	Sheep polyclonal antibody IgG
Reactive Species	CHO
Purity	≥95%
Physical Property	Liquid
Components	0.01M PBS+50% glycerol, 0.3‰ Prolin300, sterile solution
Storage	-20°C, Aliquoting is recommended for storage.
Applications	ELISA, WB, Low-adsorption, High-throughput Protein Chip System, LC-MS
Coverage	≥70% (validated by 2D-WB method)
Shelf Life	5 Years

3. Storage and Transportation

Transport at 2-8°C, store at -20°C from the date of receipt.

4. Notes

This product is for research use only. Please wear laboratory attire and disposable gloves when handling.

5. Product Introduction

CHO cell lines are widely used to express therapeutic proteins. During the expression of the target protein, apoptosis of the host cells often occurs. Studies have shown that after cell lysis, hundreds of host cell proteins are released into the culture medium, many of which have strong immunogenicity. This can lead to adverse toxicity or immune reactions, jeopardizing the safety and quality of the product and potentially causing biological contamination. One of the objectives of downstream processes in biopharmaceutical production is to remove these potential hazards.

Therefore, it is essential to minimize the residual host cell protein to(HCP) levels. When developing downstream purification processes, a scientifically sound and rational method for qualitatively assessing HCP in the final or semi-product must be in place.

This antibody has been validated by ELISA and 2D-WB methods, demonstrating high affinity for HCP, broad HCP coverage, and CHO cell specificity. It can be used for bridging experiments or quality control testing during production.