



## Anti-E.coli Host Cell Protein G3 Antibody

### 1. Product Information

Product Name	Catalog#	Size
Anti-E.coli Host Cell Protein G3 Antibody	EH-E0020-1-Ab	100µg

### 2. Product Description

Type	Sheep polyclonal antibody IgG
Reactive Species	E.coli
Purity	≥95%
Physical Property	Liquid
Components	0.01M PBS+50% glycerol, 0.03% 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

E.coli cell lines are widely used as an expression system. During the process of cell disruption to extract the target protein, a large proportion of host proteins are released together with the target protein., 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 amount of host cell protein to the lowest 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 E.coli cell specificity. It can be used for bridging experiments or quality control testing during production.