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HCP Protein

Images



Overview

Quantity:	50 μg
Target:	HCP
Origin:	E. coli
Source:	Escherichia coli (E. coli)
Protein Type:	Native
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	E.coli Host Cell Protein Control Protein (HCP) (in 1x Loading Buffer)
Specificity:	E. coli Host Cell Protein Control Protein was prepared by solubilizing mock induced E. coli (BL21) cells.
Characteristics:	Host Cell Protein Lysate was prepared by solubilizing mock induced E.coli cells. Host Cell Proteins are process-related impurities derived from a host cell expression system that may be present in trace amounts in a final drug substance. HCP Antibodies are used to detect impurities in biologically-based therapeutics. Detecting impurities often unseen by 1-D electrophoresis, a 2D electrophoresis western blot analysis delivers more complete insight into the immunocoverage of protein components of the host cell lysate. Synonyms: E.coli Host Cell Proteins, HCP antigen, E.coli control antigen

Target Details

Target:	HCP
Alternative Name:	Host Cell Proteins (HCP Products)

Application Details

Application betails		
Application Notes:	Western Blot Dilution: 1:500 - 1:1000	
Comment:	E. coli Host Cell Protein Control Proteins detects over 300 E.coli proteins and is suitable for western blotting and ELISA. Kits are also useful in quality control applications as well as lot release testing. Regulations require HCPs be reduced to the lowest levels possible. Our generic ELISA kits are useful in both process development and process validation. Using these kits in the earliest phase of product development can provide relevant and specific data directing process improvement and decreasing the levels of HCP contamination.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	4.0 mg/mL	
Buffer:	1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2 % SDS, 10 % Glycerol and 0.005 % bromophenol blue, pH 6.8)	
Preservative:	Without preservative	
Storage:	-20 °C	
Storage Comment:	Store Host Cell Proteins control protein at -20 °C prior to opening. Aliquot contents and freeze at -20 °C or below for extended storage. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.	
Expiry Date:	12 months	

Images

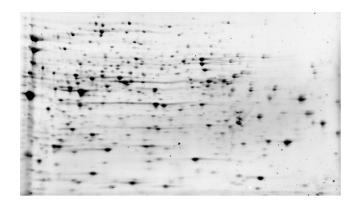
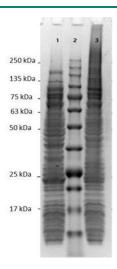


Image 1. 2D Oriole Stain of E.coli HCP Control Protein. Load: 35ug Total HCP. pH: 5-8. Exposure: 1.0s. Stain: Oriole.



SDS-PAGE

Image 2. SDS-PAGE results of E.coli Host Cell Protein Control Protein. Lane 1: reduced E. coli HCP control protein lysate. Lane 2: Opal Prestained Molecular Weight Ladder. Lane 3: non-reduced E. coli HCP control protein lysate.