

Datasheet for KJB-4003**AccuSignal™ E. coli HCP ELISA Kit****Overview**

Description:	AccuSignal™ E. coli HCP ELISA Kit - KJB-4003
Item No.:	KJB-4003
Size:	1 Kit
Applications:	ELISA
Range:	2.6 – 250.0 ng/mL
Host Species:	Rabbit

Product Details

Background:	The antibodies in the kit have been specifically designed to detect HCP contaminants and to measure analytes from crude cellular harvests to process intermediates. The E. coli ELISA Kit uses purified antibodies generated against a mixture of proteins of mock induced E. coli cell lysate. These antibodies react strongly with E. coli cell lysates from a commonly used E.coli strain, BL21. The key component of this kit is a broad coverage antibody produced against a spectrum of host cell proteins including both low abundance and high abundance proteins.
Synonyms:	host cell proteins, ELISA, process development, Escherichia coli Host Cell Protein antibody, rabbit anti-HCP antibody, rabbit anti-E.coli HCP antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Detection Kit Type:	ELISA Kit
Detection Range:	2.6 – 250.0 ng/mL

Target Details

Purity/Specificity:	This kit contains: E. coli-HCP antibody coated 96-well strip plate, Plate Sealer, E. coli-HCP standard, E. coli-HCP detection antibody, sample buffer, Wash Buffer, TMB Buffer, Stop Buffer, and protocol.
Relevant Links:	• KJB-4003 SDS • KJB-4003 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	The AccuSignal™ E. coli HCP ELISA Kit is a sandwich, enzyme-linked immunosorbent assay. The impurities in process-derived samples containing E. coli proteins are captured and detected in a microtiter-type plate by using pre-coated, purified, rabbit polyclonal, E. coli-HCP-specific antibodies. The immunological reaction after the addition of TMB results in a chromogenic change that can be measured photometrically at 450 nm with reference wavelength at 630–650 nm. The O.D. in the wells is directly proportional to the amount of HCP concentration and correlates to the amount of HCP present in the original sample. The HCP concentration can be calculated based on the calibration curve generated with the provided E. coli-HCP standard.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Liquid and Lyophilized
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Shipping & Handling

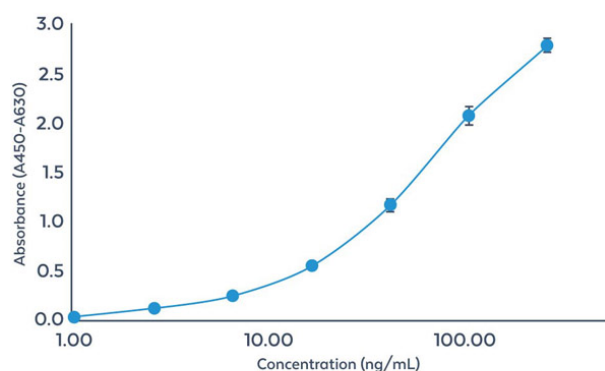
Shipping Condition:	Wet Ice
Storage Condition:	The E. coli HCP Kit and reagents should be stored at 2-8°C. Allow reagents to reach room temperature (18-26°C) before use and may be used until the expiration date. It is recommended to aliquot the reconstituted standard solution and store it at -20°C to avoid freeze/thaw cycles.
Expiration:	See kit insert for complete instructions.

Images



ELISA

Accusignal™ E. coli HCP ELISA Kit and Components for ELISA



ELISA

The Accusignal™ E. coli HCP ELISA Kit offers a wide dynamic range, thereby reducing the number of plates and time required for experiments. The protein standard provided in the kit was used to construct a standard curve spanning from 2.6 to 250 ng/mL. The assay successfully validated the effectiveness of this broad range and demonstrated an exceptionally strong goodness of fit ($R^2 > 0.99$).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.