

Datasheet for ABIN7542932 HCP ELISA Kit



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Overview

Quantity:	1 kit
Target:	HCP
Reactivity:	Escherichia coli
Method Type:	Sandwich ELISA
Detection Range:	2.6 ng/mL – 250.0 ng/mL
Minimum Detection Limit:	2.6 ng/mL
Application:	ELISA

Product Details

Purpose:	AccuSignal™ E. coli HCP ELISA Kit
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: host cell proteins, ELISA, process development</p> <p>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.</p>

Target Details

Target: HCP

Alternative Name: Host Cell Proteins ([HCP Products](#))

Application Details

Application Notes: 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.

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: 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