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Datasheet for ABIN5596745
anti-LMW HCP antibody

2 Images

Overview

Quantity:	100 µg
Target:	LMW HCP
Reactivity:	E. coli
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LMW HCP antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Anti-LMW Host Cell Proteins Antibody recognizes low molecular weight protein fractions from E.coli.
Immunogen:	Immunogen: Anti-LMW E.Coli Host Cell Proteins Antibody was prepared by repeated immunizations with a mixture low molecular weight (LMW) proteins from E.Coli. Immunogen Type: Native Protein
Isotype:	IgG
Characteristics:	Synonyms: E.Coli Host Cell Protein antibody, HCP antibody, Anti-HCP, Anti-Host Cell Protein, low molecular weight E.Coli HCP proteins antibody, LMW HCP antibody Background: Anti-LMW Host Cell Proteins Antibody recognizes low molecular weight protein fractions from E.coli. This antibody has been analyzed by 2D electrophoresis western blot to assure highest possible coverage of E.coli HCP. 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

Product Details

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.

Purification: LMW Host Cell Protein A purified antibody is directed against low molecular weight E.coli Host Cell Proteins. The product was purified from monospecific antiserum by Protein A affinity chromatography.

Sterility: Sterile filtered

Target Details

Target: LMW HCP

Alternative Name: LMW E.Coli Host Cell Protein

Application Details

Application Notes: Western Blot Dilution: 1:500-1:1000
ELISA Dilution: 1:1000-1:2000

Comment: Anti-LMW Host Cell Proteins Antibody detects over 270 E.coli LMW proteins and is suitable for western blotting and ELISA.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.29 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Stabilizer: None

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

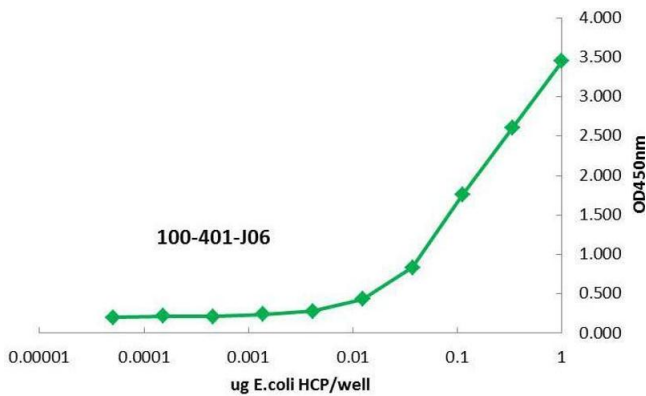
Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after

Handling

standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

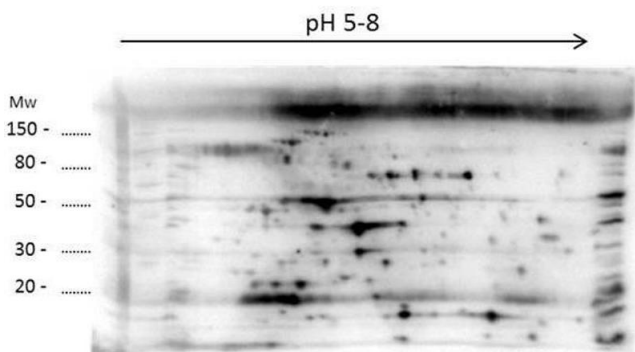
Expiry Date: 12 months

Images



ELISA

Image 1. ELISA of Rabbit anti-Low Molecular Weight Host Cell Protein antibody. Antigen: BSA conjugates of LMW HCP. Coating amount: 1 µg per well titrated 1:3 in 1XPBS. Primary antibody: Anti-LMW-HCP antibody at 100 ng/well. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000. Substrate: TMB for 30min.



Western Blotting

Image 2. 2D Western Blot of anti-E.coli Low Molecular Weight Host Cell Protein antibody. Load: 35 µg LMW HCP. Primary antibody: Rabbit anti-LMW-HCP antibody at 1:200 for overnight at 4°C. Secondary antibody: Goat anti-rabbit secondary antibody at 1:10,000 for 30 min at RT. Block: ABIN925618 for 1 hour at RT.